SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: STUYVER, LIEVEN

ROSSAU, RUDI

MAERTENS, GEERT

- (ii) TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV
- (iii) NUMBER OF SEQUENCES: 313
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: NIXON & VANDERHYE P.C.
 - (B) STREET: 1100 NORTH GLEBE ROAD
 - (C) CITY: ARLINGTON
 - (D) STATE: VIRGINIA
 - (E) COUNTRY: U.S.A.
 - (F) ZIP: 22201-4714
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 09/155,885
 - (B) FILING DATE: 08-OCT-1998
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: PCT/EP97/02002
 - (B) FILING DATE: 21-APR-1997
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: EP 96870053.4
 - (B) FILING DATE: 19-APR-1996
 - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: SADOFF, B.J.
 - (B) REGISTRATION NUMBER: 36,663
 - (C) REFERENCE/DOCKET NUMBER: 2551-5
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (703) 816-4000
 - (B) TELEFAX: (703) 816-4100
- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

	(xi)	SEQUENCE DESCRIPTION: SEQ II) NO:	1:		. *			
GGG	TCACC.	AT ATTCTTGGG		.9	-				19
(2)	INFO	RMATION FOR SEQ ID NO: 2:							
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear							
	(ii)	MOLECULE TYPE: DNA (genomic)							
	(iii)	HYPOTHETICAL: NO					,		
	(iv)	ANTI-SENSE: NO			* *				
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	2:				*	
GAA	.CAAGA(GC TACAGCATGG G							21
(2)	INFO	RMATION FOR SEQ ID NO: 3:							
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			<i>y</i> .			N 1000	
	(ii)	MOLECULE TYPE: DNA (genomic)							
	(iii)	HYPOTHETICAL: NO							
	(vi)	ANTI-SENSE: NO	,						
		1.0	•			-	•		
	(201)	SEQUENCE DESCRIPTION: SEQ ID	NO:	3 •				· •	i
CCA		G GCCTGAGGAT G			•				21
(2).	INFO	MATION FOR SEQ ID NO: 4:	. 8						
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						1	
	(ii)	MOLECULE TYPE: DNA (genomic)	· .						
	(iii)	HYPOTHETICAL: NO							

(iv) ANTI-SENSE: NO

(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO: 4:			
GTTCCKGA	AC TGGAGCCACC AG				22
(2) INFO	RMATION FOR SEQ ID NO: 5:				٠.
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		* · .	· ·	•
(ii)	MOLECULE TYPE: DNA (genomi	Lc)			
(iii)	HYPOTHETICAL: NO				
(iv)	ANTI-SENSE: NO	•			
				*	
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO: 5:			
TCTTTGTA'	IT AGGAGGCTGT AG		•		22
(2) INFO	RMATION FOR SEQ ID NO: 6:		*		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	5			
(ii)	MOLECULE TYPE: DNA (genomi	.c) .			
(iii)	HYPOTHETICAL: NO				
(iv)	ANTI-SENSE: NO	÷ :	*		:
•					•
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO: 6:			
GCTGTAGG	CA TAAATTGGTC TG		•	í	22
(2) INFO	RMATION FOR SEQ ID NO: 7:		*		:
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
(ii)	MOLECULE TYPE: DNA (genomi	.c)	8		
(iii)	HYPOTHETICAL: NO				
(iv)	ANTI-SENSE: NO		*		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

21 CTCCACAGWA GCTCCAAATT C (2) INFORMATION FOR SEQ ID NO: 8: (i) SEOUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8: GAAGGAAAGA AGTCAGAAGG C 21 (2) INFORMATION FOR SEQ ID NO: 9: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9: 16 TGGCTTTGGG GCATGG (2) INFORMATION FOR SEQ ID NO: 10: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

16

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(2) INFORMATION FOR SEQ ID NO: 11:

(iv) ANTI-SENSE: NO

TGGCTTTAGG GCATGG

	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear							
	(ii)	MOLECULE TYPE: DNA (genomic)							-
((iii)	HYPOTHETICAL: NO		•					
	(iv)	ANTI-SENSE: NO			-				
		* * *	. ***	· .	•				
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	11:					
TGGC	TTTA	GG ACATGG							16
(2)	INFO	RMATION FOR SEQ ID NO: 12:							
,	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	* **						
	(ii)	MOLECULE TYPE: DNA (genomic)							
(iii)	HYPOTHETICAL: NO							
	(iv)	ANTI-SENSE: NO							
							•		
		SEQUENCE DESCRIPTION: SEQ ID	NO:	12:					
AAGT	TGCAT	rg gtgctg		:	,		•		16
(2)	INFO	RMATION FOR SEQ ID NO: 13:							
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		-				*	
	(ii)	MOLECULE TYPE: DNA (genomic)							. •
(iii)	HYPOTHETICAL: NO							
	(iv)	ANTI-SENSE: NO							•
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	13:		. •			
CACC	TCTGO	CC TAATCAT		٠.					17
(2)	INFOR	RMATION FOR SEQ ID NO: 14:							
:	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid		. ,					

	(D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)			
(i <u>i</u> i)	HYPOTHETICAL: NO			
(iv)	ANTI-SENSE: NO	*		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 14:		
GGTGG	AG CCCTCAG		*.	17
INFO	RMATION FOR SEQ ID NO: 15:			•
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)			
(iii)	HYPOTHETICAL: NO	•	(1) ×	
(iv)	ANTI-SENSE: NO	* .	8	
			ė	
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 15:		
AGCAG(CC AACCAG			16
INFO	RMATION FOR SEQ ID NO: 16:			*
	(A) LENGTH: 15 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear			9
(iii)	HYPOTHETICAL: NO			
(iv)	ANTI-SENSE: NO			•
	J	. *.		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 16:		. (()
ATGGG	GG ACTGT	*		15
INFO	RMATION FOR SEQ ID NO: 17:			**
(<u>i</u>)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	*		*
	(iii) (iv) (xi) GGTGG. INFO (ii) (iii) (iv) AGCAGG INFO (i) (iii) (iv) (xi) AGCAGG INFO (i) (iii) (iv)	(ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID GGTGGAG CCCTCAG INFORMATION FOR SEQ ID NO: 15: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID AGCAGCC AACCAG INFORMATION FOR SEQ ID NO: 16: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (xi) SEQUENCE DESCRIPTION: SEQ ID ATGGGGG ACTGT INFORMATION FOR SEQ ID NO: 17: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (II) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (II) SEQUENCE CHARACTERISTICS: (II) SEQUENCE CHARACTERISTICS: (III) SEQUEN	(iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: GGTGGAG CCCTCAG INFORMATION FOR SEQ ID NO: 15: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15: AGCAGCC AACCAG INFORMATION FOR SEQ ID NO: 16: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16: ATGGGGG ACTGT INFORMATION FOR SEQ ID NO: 17: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	(iii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: GGTGGAG CCCTCAG INFORMATION FOR SEQ ID NO: 15: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15: AGCAGGC AACCAG INFORMATION FOR SEQ ID NO: 16: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16: ATGGGGG ACTGT INFORMATION FOR SEQ ID NO: 17: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single

(C) STRANDEDNESS: single

	(iv)	ANTI	-SENSE	: NO						-					
				٠.											
										;					
	(xi)	SEQU	ENCE D	ESCRIE	: NOIT	SEQ	ID	NO:	17:						
AACC	CCAA	CA AG	GATG												16
(2)	INFO	RMATI	ON FOR	SEQ I	D NO:	18:									
	(i) ~	(A) (B) (C)	ENCE C LENGT TYPE: STRAN TOPOL	H: 15 nucle DEDNES	base ic ac S: si	pairs id ngle	5					*	. '.		
	(ii)	MOLE	CULE T	YPE: D	NA (g	enomi	ic)								
. (iii)	нүро	THETIC.	AL: NC)										
	(iv)	ANTI	-SENSE	: NO					•						
				,						· · .	ď.		,		
	(xi)	SEOU	ENCE D	ESCRIF	TION:	SEO	ID	NO:	18:						
TCCA		CA AT		, , , , , , , , , , , , , , , , , , , 											15
(2)	INFOR	RMATI	ON FOR	SEQ I	D NO:	, 19:									
	(i)	SEQU (A) (B) (C)	ENCE C LENGT TYPE: STRAN TOPOL	HARACT H: 16 nucle DEDNES	ERIST base ic ac	CICS: pairs id ngle	5 .					•			
	(ii)	MOLE	CULE T	YPE: C	NA (g	enomi	Lc)								
- (iii)	HYPO	THETIC	AL: NO)				•		٧٠				
	(iv)	ANTI	-SENSE	: NO										<u>ئ</u>	1
	. *														
	(XI)	SEQU	ENCE D	ESCRIF	'TION:	SEQ	תו	NO:	19:	-					
TGGG	GGAAC	GA AT	ATTT										·		16
(2)	INFOR	RMATI	ON FOR	SEQ I	D NO:	20:			37 S4C						
•	(i) -	(A) (B) (C)	ENCE CY LENGTY TYPE: STRANY TOPOLY	H: 16 nucle DEDNES	base ic ac S: si	pairs id ngle	5						s •		
•.	(ii)	MOLE	CULE T	YPE: D	NA (g	enomi	ic)	,							

(iii) HYPOTHETICAL: NO

(iii) HYPOTHETICAL: NO

1	14+1	ANTI-SEN	CF.	NTO
1	LVI	ANTIL-SEN	or:	NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:	
AAATTCCAGC AGTCCC	16
(2) INFORMATION FOR SEQ ID NO: 21:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 16 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	6
(iv) ANTI-SENSE: NO	
	* **
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:	
GTTCCCAACC CTCTGG	16
(2) INFORMATION FOR SEQ ID NO: 22:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:	
AACCTCGCAA AGGCAT	16
(2) INFORMATION FOR SEQ ID NO: 23:	Xi
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	* * * * * * * * * * * * * * * * * * * *

(xi)	SEQUENCE DESCRIPTION: SEQ II	NO:	23:	• 10		· ·	
TGCATTCA	AA GCCAAC		. *		-		16
(2) INFO	RMATION FOR SEQ ID NO: 24:						
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						
(ii)	MOLECULE TYPE: DNA (genomic)						
(iii)	HYPOTHETICAL: NO						
(iv)	ANTI-SENSE: NO						
	1						
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	24:				
TACTCACA	AC TGTGCC						16
(2) INFO	RMATION FOR SEQ ID NO: 25:	. *					
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*				
(ii)	MOLECULE TYPE: DNA (genomic)		•	•			
(iii)	HYPOTHETICAL: NO	. 0	•				
(vi)	ANTI-SENSE: NO			*		. (1)	
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	25:	:		6	
ACCCTGCG'	IT CGGAGC						16
(2) INFO	RMATION FOR SEQ ID NO: 26:						1
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						
(ii)	MOLECULE TYPE: DNA (genomic)		*	-			
(iii)	HYPOTHETICAL: NO		*				
(iv)	ANTI-SENSE: NO						÷ (
	4			•			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:

1

16

(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear								÷	
(ii)	MOLECULE TYPE: DNA (genomic)									
(iii)	HYPOTHETICAL: NO									
(iv)	ANTI-SENSE: NO								,	
									•	
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	27:							
GATCCAGC(CT TCAGAG	. = '							1	L 6
(2) INFO	RMATION FOR SEQ ID NO: 28:		:						:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						*	*		
(ii)	MOLECULE TYPE: DNA (genomic)									:
(iii)	HYPOTHETICAL: NO									
(iv)	ANTI-SENSE: NO									
	0, .			э.	**					
(xi)	SEQUENCE DESCRIPTION: SEQ II	NO:	28:							
TGCTCCA	GC TCCTAC			*					_ 1	.6
(2) INFO	RMATION FOR SEQ ID NO: 29:		.*. *						,	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		* :	•						•
(ii)	MOLECULE TYPE: DNA (genomic)									
(iii)	HYPOTHETICAL: NO									
(iv)	ANTI-SENSE: NO			• .		•				
						_				
(xi)	SEQUENCE DESCRIPTION: SEQ II	NO:	29:							

CAGGAAGACA GCCTAC

GCTTTCTTGG ACGGTC

(2) INFORMATION FOR SEQ ID NO: 30:

(2) INFORMATION FOR SEQ ID NO: 27:

	*	(A) LENGTH: 16 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	-90 · · ·	*	
	(ii)	MOLECULE TYPE: DNA (genomic)	· (Y) ·		
	(iii)	HYPOTHETICAL: NO			
	(iv)	ANTI-SENSE: NO		*	
			*		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 30:		
CTAC	CCCA	AT CACTCC			. 16
(2)	INFO	RMATION FOR SEQ ID NO: 31:		**************************************	1120-8
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			*
	(ii)	MOLECULE TYPE: DNA (genomic)			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
2	(iii)	HYPOTHETICAL: NO			
	(iv)	ANTI-SENSE: NO			
				* .	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 31:		
AGC	ACCTC	TC TCAACG			16
(2)	INFO	RMATION FOR SEQ ID NO: 32:		* 3	•
a .	(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			(1
	(ii)	MOLECULE TYPE: DNA (genomic)		-	
((iii)	HYPOTHETICAL: NO			
	(iv)	ANTI-SENSE: NO			
			· ·		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 32:		
CCAA	TGGC	AA ACAAGG		*	16
(2)	INFOR	RMATION FOR SEQ ID NO: 33:	* *	(0)	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs		· · · · · · · · · · · · · · · · · · ·	*

(i) SEQUENCE CHARACTERISTICS:

			STRANDE					*:					
(:	ii) M	MOLEC	CULE TYP	E: DNA	(genomi	c)					٠.		
(i:	ii) H	HABĊJ	THETICAL	: NO					-				
(:	iv) A	-ITNA	SENSE:	NO	•			*					
	•												
(3	x1) S	SEQUE	ENCE DES	CRIPTIO	N: SEQ	ID NO:	33:						
CTGAG	GGCTC	CAC	CCCCA										17
(2) II	NFORM	MATIC	ON FOR S	EQ ID N	0: 34:	•					-		
*	(i) S	(A) (B) (C)	ENCE CHA LENGTH: TYPE: n STRANDE TOPOLOG	16 bas ucleic DNESS:	e pairs acid single								*
: (:	ii) M	MOLEC	ULE TYP	E: DNA	(genomi	2)							,
(i:	ii) H	HYPOT	HETICAL	: NO									
(:	iv) A	ANTI-	-SENSE:	NO									
(2	xi) S	SEQUE	ENCE DES	CRIPTIO	N: SEQ	ID NO:	34:						
ATCTC	TTGTA	A CAT	GTC								.*		16
(2) · II	NFORM	MATIC	N FOR S	EQ ID N	o: 35:				•				
	(i) S	(A) (B) (C)	ENCE CHA LENGTH: TYPE: n STRANDE TOPOLOG	16 baseucleic a	e pairs acid single						, 00		·
(j	Li) M	10LEC	ULE TYP	E: DNA	(genomic	=)						<u>.</u>	2
(ii	li) H	IYPOI	HETICAL	: NO		,		0					
(j	iv). A	ANTI-	SENSE:	NO									
				· · ·									
()	ci) S	SEQUE	NCE DES	CRIPTIO	N: SEQ I	D NO:	35:						
ATCTCT	TGTA	A CAI	GTC										16
(2) IN	NFORM	(ATIC	N FOR S	EQ ĮD NO	D: 36:								
, ((i) S	(A) (B)	NCE CHA LENGTH: TYPE: n STRANDE	16 base ucleic	e pairs	*		: <u>.</u>		· · · · · · ·			

(B) TYPE: nucleic acid

	1223	WOLDOW TO MUDE DAY (and and a)	
		MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 36:	
ATC	TCATG	TT CATGTC	16
(2)	INFO	PRMATION FOR SEQ ID NO: 37:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
•	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
			-
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 37:	
CAG	TGGGA	CA TGTACA	1,6
(2)	INFO	RMATION FOR SEQ ID NO: 38:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
•	(±v)	ANTI-SENSE: NO -	ï
٠,			
•	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 38:	
CAG'	TAGGA	CA TGAACA	16
(2)	INFO	RMATION FOR SEQ ID NO: 39:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	190

(iii) HYPOTHETICAL: NO

	(ANTI-SENSE:	MO
i	1 L W)	ANTI-SENSE:	NO

(iv) ANTI-SENSE: NO

	*	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 39:	
CTGTTCAAGC CTCCAA		16
(2) INFORMATION FOR SEQ ID NO: 40:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		
<pre>(iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID</pre>	NO 40	
AGCCTCCAAG CTGTGC	"	16
(2) INFORMATION FOR SEQ ID NO: 41:		· -
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) 		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 41:	<u>.</u>
AAAGCCACCC AAGGCA		16
(2) INFORMATION FOR SEQ ID NO: 42:		
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYDOTHETTCAL NO		

		* 6 *					
(xi)	SEQUENCE DESCRIPTION: S	SEQ ID NO:	42:				
TGGCTTTAC	GG ACATGGA	•	:	*.		· ·(t)	17
(2) INFOR	MATION FOR SEQ ID NO: 4	13:					
(i)	SEQUENCE CHARACTERISTIC (A) LENGTH: 18 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	irs ì					
(ii)	MOLECULE TYPE: DNA (ger	nomic)					
(iii)	HYPOTHETICAL: NO						
(iv)	ANTI-SENSE: NO			*			
	* * *	Y-					
(xi)	SEQUENCE DESCRIPTION: S	SEQ ID NO:	43:		i		
GACATGTAC	A AGAGATĞA			*		. 1	18
(2) INFOR	MATION FOR SEQ ID NO: 4	14:	· •				
(i).	SEQUENCE CHARACTERISTIC (A) LENGTH: 18 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	irs I				. ,8	
(ii)	MOLECULE TYPE: DNA (ger	nomic)	٠	* .	• 4•	•	
:	HYPOTHETICAL: NO ANTI-SENSE: NO	8 2					
(xi)	SEQUENCE DESCRIPTION: S	SEQ ID NO:	44:	1			
	A TGAGATGA	· · ·			* .	· 🙀	L8
	MATION FOR SEQ ID NO: 4	. · . 5 ;					
	SEQUENCE CHARACTERISTIC (A) LENGTH: 18 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	irs l				•	
(ii)	MOLECULE TYPE: DNA (ger	nomic)	,				
(iii)	HYPOTHETICAL: NO						

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

TGTACATGTC CCACTGTT

(2) INFORMATION FOR SEQ ID NO: 46:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

TGTTCATGTC CTACTGTT

18

- (2) INFORMATION FOR SEQ ID NO: 47:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:

ACTGTTCAAG CCTCCAAG

18

- (2) INFORMATION FOR SEQ ID NO: 48:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 base pairs
 - (B) TYPE: nucleic acid(C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:

	· · · · · · · · · · · · · · · · · · ·								
(2) INF	ORMATION FOR SEQ ID NO: 49:					•			9
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				* *	**			
(ii)	MOLECULE TYPE: DNA (genomic	:)							
(iii)	HYPOTHETICAL: NO								
(iv)	ANTI-SENSE: NO	• •					•		
		•			. :				
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	49:						
AAAGCCAC	CCC AAGGCACA		*						18
(2) INFO	ORMATION FOR SEQ ID NO: 50:		<u>.</u>			11.			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		ν.				*		
(ii)	MOLECULE TYPE: DNA (genomic)							
(iii)	HYPOTHETICAL: NO								•
. (iv)	ANTI-SENSE: NO								
				•		,	•		
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	50:						
CCCAGAGG	GGT TGGGAAC		•		•				17
(2) INFO	ORMATION FOR SEQ ID NO: 51:		• .					_*	•
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*		*		<u>.</u>		- <u>(</u> € =
(ii)	MOLECULE TYPE: DNA (genomic). ·							
(iii)	HYPOTHETICAL: NO		•						
(iv)	ANTI-SENSE: NO				1				• .
		,							
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	51:			_			•
CAGCATGG	GG CAGAATCT				. =		*		18
/2) TATEO	PMATTON FOR CEO ID NO. 53.				•				

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18 base pairs

	TYPE: nucleic acid				. **
	STRANDEDNESS: singl TOPOLOGY: linear	e			
(ii) MOLEC	CULE TYPE: DNA (geno	mic)			
(iii) HYPOT	THETICAL: NO				
(iv) ANTI-	-SENSE: NO				
•	· · · · · · · · · · · · · · · · · · ·			-	
(vi) SEOUR	ENCE DESCRIPTION: SE	O ID NO.	52.		
TCCACCAGCA ATO	χ	Q ID NO.	32.		18
	ON FOR SEQ ID NO: 53		1)(•	10
		1			
(A)	NCE CHARACTERISTICS LENGTH: 18 base pai TYPE: nucleic acid			*.	• •
(C)	STRANDEDNESS: singl TOPOLOGY: linear	e			
	:ULE TYPE: DNA (geno	mic)			
	CHETICAL: NO				
	SENSE: NO				
(TV) ANT	SENSE. NO				
			*		
(xi) SEQUE	NCE DESCRIPTION: SE	Q ID NO:	53:		
GGATCCAGCC TTC	AGAGC				18
(2) INFORMATIO	N FOR SEQ ID NO: 54	•		•	
	NCE CHARACTERISTICS LENGTH: 17 base pai		*		
(B)	TYPE: nucleic acid STRANDEDNESS: singl				F ==
	TOPOLOGY: linear	•			
(ii) MOLEC	ULE TYPE: DNA (geno	mic)			1
(11) 110000	one inc. ping their				<u> </u>
	HETICAL: NO				
	HETICAL: NO				
(iii) HYPOT	HETICAL: NO				
(iii) HYPOT (iv) ANTI-	HETICAL: NO				
(iii) HYPOT (iv) ANTI- (xi) SEQUE	HETICAL: NO SENSE: NO NCE DESCRIPTION: SE		54:		
(iii) HYPOT (iv) ANTI- (xi) SEQUE TCAGGAAGAC AGO	HETICAL: NO SENSE: NO NCE DESCRIPTION: SE	Q ID NO:	54:		17
(iii) HYPOT (iv) ANTI- (xi) SEQUE TCAGGAAGAC AGC (2) INFORMATIO	HETICAL: NO SENSE: NO NCE DESCRIPTION: SE CTAC N FOR SEQ ID NO: 55	Q ID NO:	54:		17
(iii) HYPOT (iv) ANTI- (xi) SEQUE TCAGGAAGAC AGC (2) INFORMATIC (i) SEQUE (A)	HETICAL: NO SENSE: NO NCE DESCRIPTION: SE	Q ID NO: : : rs	54:		17

	(iii)	HYPOTHETICAL: NO	• •	<i>y</i>	
	(iv)	ANTI-SENSE: NO			
			· .		•
		*			
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 55:		
TTC.	AACCC	CA ACAAGGATC			19
(2)	INFO	RMATION FOR SEQ ID NO: 56:	•		
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		* **	
	(ii)	MOLECULE TYPE: DNA (genomic)			
	(iii)	HYPOTHETICAL: NO			
	(iv)	ANTI-SENSE: NO			
		* * * * * * * * * * * * * * * * * * * *	*		
		SEQUENCE DESCRIPTION: SEQ ID	NO: 56:	*	
AAT	GCTCC?	AG CTCCTAC	· ·		17
(2)	INFO	RMATION FOR SEQ ID NO: 57:		*	
. *•)	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	- Ye	*	**
	(ii).	MOLECULE TYPE: DNA (genomic)		0	
	(iii)	HYPOTHETICAL: NO	* (*		
	(iv)	ANTI-SENSE: NO			
	;				
		*			
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 57:		
CTG	CATTC	AA AGCCAACT			18
(2)	INFO	RMATION FOR SEQ ID NO: 58:			
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	*		

(ii) MOLECULE TYPE: DNA (genomic)

(ii) MOLECULE TYPE: DNA (genomic)

(iv)	ANTI-SENSE: NO			0.00
				(
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO: 58:		
CCCCATGGG	GG GACTGTTG			18
(2) INFO	RMATION FOR SEQ ID NO: 59:			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			*
(ii)	MOLECULE TYPE: DNA (genomic	3)		
(iii)	HYPOTHETICAL: NO			
(iv)	ANTI-SENSE: NO	*		
-			, 5	
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO: 59:		•
CATACTCAC	CA ACTGTGCCA			19
(2) INFOR	RMATION FOR SEQ ID NO: 60:			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		0	
(ii)	MOLECULE TYPE: DNA (genomic	2)	•• ••	
(iii)	HYPOTHETICAL: NO	*2		
	ANTI-SENSE: NO		, , , , , , , , , , , , , , , , , , ,	
(xi)	SEQUENCE DESCRIPTION: SEQ 1	ID NO: 60:	*	
GGGCTTTCT	T GGACGGTCC		· .	19
(2) INFOR	RMATION FOR SEQ ID NO: 61:	•	•	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			**
(ii)	MOLECULE TYPE: DNA (genomic	:)		
(iii)	HYPOTHETICAL: NO	•	• •	

(iii) HYPOTHETICAL: NO

. (.) SEQUENCE DESCRIPTION: SEQ ID NO: 61:
CTCTC	ATG GGGGAAGA 18
(2)	ORMATION FOR SEQ ID NO: 62:
	(A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
() MCLECULE TYPE: DNA (genomic)
(i) HYPOTHETICAL: NO
() ANTI-SENSE: NO
() SEQUENCE DESCRIPTION: SEQ ID NO: 62:
CCTAC	CAA TCACTCCA 18
(2) I	ORMATION FOR SEQ ID NO: 63:
) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
. () MOLECULE TYPE: DNA (genomic)
(i) HYPOTHETICAL: NO
· () ANTI-SENSE: NO
() SEQUENCE DESCRIPTION: SEQ ID NO: 63:
AGCAC	CTC TCAACGACA 19
(2) I	ORMATION FOR SEQ ID NO: 64:
de .) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
() MOLECULE TYPE: DNA (genomic)
(i) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SE	EQUENCE DESCRIPTION:	SEQ ID	NO: 64:			* *
GCAAATTCCA	GCAGTCCCG	1(0	• • ():			. 19
(2) INFORM	ATION FOR SEQ ID NO:	65:				
× ×	EQUENCE CHARACTERISTI (A) LENGTH: 19 base p (B) TYPE: nucleic aci (C) STRANDEDNESS: sin (D) TOPOLOGY: linear	airs d				
(ii) MC	OLECULE TYPE: DNA (ge	nomic)				
(iii) H	YPOTHETICAL: NO					* .
(iv) AN	NTI-SENSE: NO					
	, yo					
(xi) SE	EQUENCE DESCRIPTION:	SEQ ID	NO: 65:		N.	
GCCAATGGCA	AACAAGGTA					19
(2) INFORMA	ATION FOR SEQ ID NO:	66:			* *:	
(EQUENCE CHARACTERISTIC (A) LENGTH: 17 base po (B) TYPE: nucleic acio (C) STRANDEDNESS: sinc (D) TOPOLOGY: linear DLECULE TYPE: DNA (gen	airs i gle	*	*		•
(iii) HY	POTHETICAL: NO					
(iv) AN	NTI-SENSE: NO					
(X1) SE	EQUENCE DESCRIPTION:	PEO ÎD .	NO: 66:		* 7	
GACATGAACA	TGAGATG					17
(2) INFORMA	ATION FOR SEQ ID NO:	57:	. ·		*	, j = .
' ((QUENCE CHARACTERISTIC (A) LENGTH: 17 base particles acid (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	airs 1				
(ii) MO	DLECULE TYPE: DNA (ger	nomic)			•	
(iii) HY	POTHETICAL: NO	* **				
(iv) AN	TTI-SENSE: NO					*:

GGACATGAAC AAGAGAT

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:

(2) INFORMATIO	ON FOR SEQ ID NO: 6	88:		•	
(A) (B) (C)	ENCE CHARACTERISTIC LENGTH: 17 base pa TYPE: nucleic acid STRANDEDNESS: sing TOPOLOGY: linear	irs I			
(ii) MOLEC	TULE TYPE: DNA (ger	nomic)			
(iii) HYPOT	THETICAL: NO				
(iv) ANTI-	-SENSE: NO				
	*				
(xi) SEOUE	ENCE DESCRIPTION: S	SEO ID NO: (58 :		
GACATGTACA AGA					17
(2) INFORMATIO	ON FOR SEQ ID NO: 6	i9:	*		· · · · · · · · · · · · · · · · · · ·
(A) (B) (C)	ENCE CHARACTERISTIC LENGTH: 20 base pa TYPE: nucleic acid STRANDEDNESS: sing TOPOLOGY: linear	irs I	*		*
(ii) MOLEC	CULE TYPE: DNA (gen	iomic)			H ₁
(iii) HYPOT	CHETICAL: NO	* * * * * * * * * * * * * * * * * * *			
(iv) ANTI-	-SENSE: NO				
			*	*	*
(xi) SEQUE	INCE DESCRIPTION: S	SEQ ID NO: (59:		
ACATAAGAGG ACT	CCTTGGAC		φ. 	•	20
(2) INFORMATIO	ON FOR SEQ ID NO: 7	0:			
(A) (B) (C)	NCE CHARACTERISTIC LENGTH: 22 base pa TYPE: nucleic acid STRANDEDNESS: sing TOPOLOGY: linear	irs .			
(ii) MOLEC	ULE TYPE: DNA (gen	omic)			*
(iii) HYPOT	HETICAL: NO				
(iv) ANTI-	SENSE: NO	* **	*		
(xi) SEQUE	NCE DESCRIPTION: S	EQ ID NO: 7	70:		
TACTTCAAAG ACT		*			22

(i) SEQUENCE CHARACTERISTICS:

(2) INFORMATION FOR SEQ ID NO: 71:

(C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA (genomi	c)	
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
	3=	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 71:	
ACAAAGACCT TTAAYCT	17	
(2) INFORMATION FOR SEQ ID NO: 72:		
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 		
(ii) MOLECULE TYPE: DNA (genomi	c)	
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
x)		
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 72:	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 72:	
ACAAAGATCA TTAAYCT	17	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	17	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	17	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic	17	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomication) Hypothetical: NO	17	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomication) Hypothetical: NO	17	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomication) Hypothetical: NO	17 c)	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomical) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO	17 c)	
ACAAAGATCA TTAAYCT (2) INFORMATION FOR SEQ ID NO: 73: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomical) (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO	ID NO: 73:	

(A) LENGTH: 17 base pairs(B) TYPE: nucleic acid

(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 74:
GATCCAGCCT TCAGAGC	17
(2) INFORMATION FOR SEQ ID NO: 75:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 75:
CAAGGTATGT TGCCCGTTTG TCC	23
(2) INFORMATION FOR SEQ ID NO: 76:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	and the second second
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 76:
CCAAACAGTG GGGGAAAGCC C	21
(2) INFORMATION FOR SEQ ID NO: 77:	*
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

(ii) MOLECULE TYPE: DNA (genomic)

(iv)	ANTI-SENSE: NO		,	
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO: 77:		
CTACGGAT	GG AAATTGC			17
(2) INFO	RMATION FOR SEQ ID NO: 78:		*	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			*
(ii)	MOLECULE TYPE: DNA (genomic)	*	
(iii)	HYPOTHETICAL: NO			*
(iv)	ANTI-SENSE: NO	*	* 3	
· ·	* * * * * * *		Y	
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO: 78:	* * *	
TACGGACG	GA AACTGC	á.		16
(2) INFO	RMATION FOR SEQ ID NO: 79:		4	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			•
(ii)	MOLECULE TYPE: DNA (genomic)		. *
(iii)	HYPOTHETICAL: NO			
(iv)	ANTI-SENSE: NO		* * 1. •	
				× 2000
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO: 79:	*	
TTCGGACG	GA AACTGC			16
(2) INFO	RMATION FOR SEQ ID NO: 80:	•		•
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)) • • • • • • • • • • • • • • • • • • •		
(iii)	HYPOTHETICAL: NO	**		

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

CTTCGGACGG AAATTGC		17
(2) INFORMATION FOR SEQ ID NO: 81:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		(0)
(ii) MOLECULE TYPE: DNA (genomic)		,
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		* *
XX		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 81:	,
CTACGGATAG AAATTGC		17
(2) INFORMATION FOR SEQ ID NO: 82:		•••
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	**	
<pre>(ii) MOLECULE TYPE: DNA (genomic) (iii) HYPOTHETICAL: NO</pre>		
(iv) ANTI-SENSE: NO	* *	•
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 82:	
CTTCGGACAG AAATTGC		- 17
(2) INFORMATION FOR SEQ ID NO: 83:		
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:

(iv) ANTI-SENSE: NO

(xi)	SEQUENCE DESCRIPTION: S	EQ ID	NO:	83:	·	*		
	GT GGGCCTCAGY C							21
•							•	4.
(2) INFO	RMATION FOR SEQ ID NO: 8	34:						
(i)	(A) LENGTH: 22 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	irs I			~		•	8
(ii)	MOLECULE TYPE: DNA (ger	nomic)						
(iii)	HYPOTHETICAL: NO							
	ANTI-SENSE: NO SEQUENCE DESCRIPTION: S	SEO ID	NΟ·	84		*		,
		, LQ 10		04.				. 22
	CA TAAATTGGTC TG	Tro.					w	22
(2) INFO	RMATION FOR SEQ ID NO: 8	35 :	•	= .		.:		
(i)	(A) LENGTH: 21 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	nirs 1		** *			<i>y</i> .	
(ii)	MOLECULE TYPE: DNA (ger	nomic)						
(iii)	HYPOTHETICAL: NO	•		:				
	ANTI-SENSE: NO SEQUENCE DESCRIPTION: S	SEQ ID	NO:	85:				
CŢĈCACAGI	WA GCTCCAAATT C							21
(2) INFO	RMATION FOR SEQ ID NO: 8	36:	. "		 			:
(i)	SEQUENCE CHARACTERISTIC (A) LENGTH: 20 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sinc (D) TOPOLOGY: linear	irs 1			,			* .
(ii)	MOLECULE TYPE: DNA (ger	nomic)						
(iii)	HYPOTHETICAL: NO							
(iv)	ANTI-SENSE: NO							

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:

(2)	INFO	RMATION FOR SEQ ID NO: 87:								
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					*	e.		
	(ii)	MOLECULE TYPE: DNA (genomic)				÷				
	(iii)	HYPOTHETICAL: NO								
	(iv)	ANTI-SENSE: NO								
•		*-								
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	ЙО:	87:						
TAC	TTCAA	AG ACTGTGTGTT TA			•			•	22	
(2)	INFO	RMATION FOR SEQ ID NO: 88:								
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						e C	Tr.	
	(ii)	MOLECULE TYPE: DNA (genomic)			•	4			0	
•	(iii)	HYPOTHETICAL: NO								
	(iv)	ANTI-SENSE: NO	<i>:</i> .							
			•			- 1				
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	88:						
TAG	GTTAA	AG GTCTTTGT							18	
(2)	INFO	RMATION FOR SEQ ID NO: 89:	•		·.	-)(-				
		SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear							<u>.</u>	
	(ii)	MOLECULE TYPE: DNA (genomic)								
	(iii)	HYPOTHETICAL: NO		•	•				. *	
	(iv)	ANTI-SENSE: NO						· .		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	89:						

18

(2) INFORMATION FOR SEQ ID NO: 90:

TAGGTTAATG ATCTTTGT

(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
•			
(4)	anovewer presentantov and th	NO. 00.	•
	SEQUENCE DESCRIPTION: SEQ ID	NO: 90:	
CATGTCCC	AC TGTTCAA		17
(2) INFO	RMATION FOR SEQ ID NO: 91:	* *	
	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs, (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
		**	
•			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 91:	
CATGTCCT	AC TGTTCAA		17
(2) INFO	RMATION FOR SEQ ID NO: 92;	*	· .
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	* * * * * * * * * * * * * * * * * * * *	
(ii)	MOLECULE TYPE: DNA (genomic)	¥ ()	, f
(iii)	HYPOTHETICAL: NO	y	
(iv)	ANTI-SENSE: NO		
•			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 92:	
TTCTGCCC	CA TGCTGTA	α · · · · · · · · · · · · · · · · · · ·	17
(2) INFO	RMATION FOR SEQ ID NO: 93:	* * *	
(<u>i</u>)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single		

	(D) TOPOLOGI: Ilitear		4				
(ii)	MOLECULE TYPE: DNA (genomic)					•	
(iii)	HYPOTHETICAL: NO			. 8			
(iv)	ANTI-SENSE: NO						
	· · · · · · · · · · · · · · · · · · ·						
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	93:				
TTCTGCCC	CA TGCTGTAG				•		18
(2) INFO	RMATION FOR SEQ ID NO: 94:						
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		**	*	÷ ·		
(ii)	MOLECULE TYPE: DNA (genomic)		œ				
(iii)	HYPOTHETICAL: NO			. *			
(iv)	ANTI-SENSE: NO	**				*	
· .			. •				
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	94:				
GGTAWAAA	GG GACTCAMGAT G		. =				21
(2) INFO	RMATION FOR SEQ ID NO: 95:		٠				
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*	, ,			• 1
(ii)	MOLECULE TYPE: DNA (genomic)	:					
(iii)	HYPOTHETICAL: NO		•	,	* *		<u>.</u>
(iv)	ANTI-SENSE: NO		-				
				•			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO:	95:		•		
TCAGCTATA	AT GGATGAT						17
(2) INFOR	RMATION FOR SEQ ID NO: 96:						
	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						*.*

(ii) MOLECULE TYPE: DNA (genomic)

(iii)	HYPOTHETICAL: NO	• •••				
(iv)	ANTI-SENSE: NO					
	** · · · · · · · · · · · · · · · · · ·					
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 96	i :	•		
		, , , ,				
	IG GATGAT			ı		ŕε
(2) INFO	RMATION FOR SEQ ID NO: 97:		-			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	***************************************	*			
(ii)	MOLECULE TYPE: DNA (genomic)			***		
(iii)	HYPOTHETICAL: NO			*		
(iv)	ANTI-SENSE: NO	***			· · · · · · · · · · · · · · · · · · ·	
			- 44 			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 97	•			
•	ra tggatg					16
-	RMATION FOR SEQ ID NO: 98:		· ·		. *	
	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	, (,)		•		
(ii)	MOLECULE TYPE: DNA (genomic)			.*		
(iii)	HYPOTHETICAL: NO			•	*1	
(iv)	ANTI-SENSE: NO					
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 98	: .			
TCAGTTATA	AT GGATGAT					17
(2) INFOR	RMATION FOR SEQ ID NO: 99:				•	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		* *			
(ii)	MOLECULE TYPE: DNA (genomic)					•

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO			
		*	
(with growing percentage and	TD NO . 00		
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 33:		
TTTCAGTTAT ATGGATG		7	17
(2) INFORMATION FOR SEQ ID NO: 100:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 			
(ii) MOLECULE TYPE: DNA (genomi	c)	· · · · · · · · · · · · · · · · · · ·	
(iii) HYPOTHETICAL: NO	· ()		
(iv) ANTI-SENSE: NO			
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 100:		
TTTAGTTATA TGGATGA	· · · · · ·	* *	17
(2) INFORMATION FOR SEQ ID NO: 101:	(8)	*	t _{er}
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	*		:
(ii) MOLECULE TYPE: DNA (genomi	c)		
(iii) HYPOTHETICAL: NO	* *	**	
(iv) ANTI-SENSE: NO			
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 101:	* .*	<u>.</u>
TCAGCTATGT GGATGAT			17
(2) INFORMATION FOR SEQ ID NO: 102:		:	

(i) SEQUENCE CHARACTERISTICS:

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(A) LENGTH: 17 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 102:
TCA	AGTTAT	GT GGATGAT	17
(2)	INFO	RMATION FOR SEQ ID NO: 103:	
7	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	*
	()	CRONTINGE DECORATION COO ID	NO. 102
		SEQUENCE DESCRIPTION: SEQ ID	NO: 103:
1"1"1	CAGCT?	AT GTGGATG	
(2)	INFO	RMATION FOR SEQ ID NO: 104:	
); ;	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
	. 1		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 104:
CAA	GGTAT	ST TGCCCGTTTG TCC	23
(2)	INFO	RMATION FOR SEQ ID NO: 105:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(<u>ii</u>)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
•	(iv)	ANTI-SENSE: NO	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 105:

- (2) INFORMATION FOR SEQ ID NO: 106:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 106:

GGGTCACCAT ATTCTTGGG

19

- (2) INFORMATION FOR SEQ ID NO: 107:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 22 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107: GTTCCKGAAC TGGAGCCACC AG

22

40

- (2) INFORMATION FOR SEQ ID NO: 108:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 40 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:
- CCGGAAAGCT TGAGCTCTTC TTTTTCACCT CTGCCTAATC
- (2) INFORMATION FOR SEQ ID NO: 109:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 40 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	*
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 109:
CCGGAAAGCT TGAGCTCTTC AAAAAGTTGC ATGGT	rgctgg 40
(2) INFORMATION FOR SEQ ID NO: 110:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	*
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: ŞEQ ID	NO: 110:
GTGGTTCGCC GGGCTTG	17
(2) INFORMATION FOR SEQ ID NO: 111:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 111:
CTGCGAGGCG AGGGAGTTCT TCTTC	25
(2) INFORMATION FOR SEQ ID NO: 112:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 27 base pairs(B) TYPE: nucleic acid	

	=		•	,
•				•
		(C) STRANDEDNESS: single	0.00	*
		(D) TOPOLOGY: linear		
	(ii)	MOLECULE TYPE: DNA (genomic)		
				· · · · · · · · · · · · · · · · · · ·
	(iii)	HYPOTHETICAL: NO	•	
	(iv)	ANTI-SENSE: NO		
	r			
			*	
				• •
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	: 112:	
•	TGCCATTT	GT TCAGTGGTTC GTAGGGC		27
	(2) TATEO	TWANTON FOR SEC. ID NO. 113		
	(2) INFO	RMATION FOR SEQ ID NO: 113:		
	(i)	SEQUENCE CHARACTERISTICS:		
		(A) LENGTH: 25 base pairs(B) TYPE: nucleic acid		
		(C) STRANDEDNESS: single		
		(D) TOPOLOGY: linear	· · · · · · · · · · · · · · · · · · ·	
4 4 -	(ii)	MOLECULE TYPE: DNA (genomic)		
1				
	(iii)	HYPOTHETICAL: NO		
	(iv)	ANTI-SENSE: NO		8
				(4)
	* **	- No. 1		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	: 113:	
	CCGGCAGA	rg agaaggcaca gacgg		25
	(2) TMEOR	PMATION FOR CEO ID NO. 114.		
	(2) INFOR	RMATION FOR SEQ ID NO: 114:	*	
	(i)	SEQUENCE CHARACTERISTICS:	*	
		(A) LENGTH: 18 base pairs (B) TYPE: nucleic acid		
		(C) STRANDEDNESS: single)	
		(D) TOPOLOGY: linear		
	(33)	MOLECULE TYPE: DNA (genomic)		
		MODECODE TIPE: DNA (GENOMIC)		() ()
	(iii)	HYPOTHETICAL: NO		: 4
	(iv)	ANTI-SENSE: NO		
1				•
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	: 114:	
٠. أ	TTCAGCTAT	'A TGGATGAT	· ·	18
				:
	(2) INFOR	MATION FOR SEQ ID NO: 115:		
	(i)	SEQUENCE CHARACTERISTICS:	*	•
		(A) LENGTH: 18 base pairs (B) TYPE: nucleic acid		
	*	(C) STRANDEDNESS: single		
		(D) TOPOLOGY: linear		

(ii	i) HYPOTHETICAL: NO			*	
i)	v) ANTI-SENSE: NO	**	•	•	
	<i>†</i>				
()	(i) SEQUENCE DESCRIPTION: SEQ I	D NO: 115:			
TÇAGCT	ATAT GGATGATG	*			18
(2) IN	FORMATION FOR SEQ ID NO: 116:				
, (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	•			•
(i	i) MOLECULE TYPE: DNA (genomic	·)			
(ii	i) HYPOTHETICAL: NO		·	*	
(i	v) ANTI-SENSE: NO				
(x	i) SEQUENCE DESCRIPTION: SEQ I	D NO: 116:			
TTCAGC	TATG TGGATGAT				18
(2) TN	FORMATION FOR SEQ ID NO: 117:	-			
	i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
(i	i) MCLECULE TYPE: DNA (genomic) -			
(ii	i) HYPOTHETICAL: NO			*	•
(i	v) ANTI-SENSE: NO			<u>.</u>	1 ·
(x	i) SEQUENCE DESCRIPTION: SEQ I	D NO: 117:			
	ATGT GGATGATG				18
	FORMATION FOR SEQ ID NO: 118:				÷
	i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		****		
- (i	i) MOLECULE TYPE: DNA (genomic) · · · · · · .		*	;

(ii) MOLECULE TYPE: DNA (genomic)

(iv)	ANTI-SENSE:	NC
------	-------------	----

(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 118:	
GGCTTTGG	GG CATGG		15
	RMATION FOR SEQ ID NO: 119:		
	SEQUENCE CHARACTERISTICS:		
****	(A) LENGTH: 15 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 119:	
TGGCTTTG	GG GCATG		15
(2) INFO	RMATION FOR SEQ ID NO: 120:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)	*8	
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
		<u> </u>	
(xi,)	SEQUENCE DESCRIPTION: SEQ ID	NO: 120:	
GTGGCTTTC	GG GGCATG		16
(2) INFO	RMATION FOR SEQ ID NO: 121:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)	. 1	
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
•			

	(xi)	SEQUENCE DESCRI	PTION: SEQ ID	NO:	121:			•	
GCI	TTGG	G CATGGA	•						16
(2)	INFO	RMATION FOR SEQ	ID NO: 122:						
	(i)	SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY:	base pairs eic acid SS: single	*					
	(ii)	MOLECULE TYPE:	DNA (genomic)					, () ·	٠.
- (iii)	HYPOTHETICAL: N	ro . ,				·. ·		
	(iv)	ANTI-SENSE: NO			•			***	•
		-m ²						1	
	(xi)	SEQUENCE DESCRI	PTION: SEQ ID	NO:	122:				
rggc	TTTG	GG ACATGG			. *				16
(2)	INFO	MATION FOR SEQ	ID NO: 123:		0				1
٠.	(i)	SEQUENCE CHARAC (A) LENGTH: 15 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY:	base pairs eic acid SS: single				*		X
	(ii)	MOLECULE TYPE:	DNA (genomic)		·		٠		
(iii)	HYPOTHETICAL: N	ro . '	e.					
	(iv)	ANTI-SENSE: NO				:			
		-20 I			102				- 7
	^	SEQUENCE DESCRI	PTION: SEQ ID	NO:	123:			į	:
		SA CATGG							15
(2)		MATION FOR SEQ					·		
	(i)	SEQUENCE CHARAC (A) LENGTH: 15 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY:	base pairs eic acid SS: single	1				*	:
	(ii)	MOLECULE TYPE:	DNA (genomic)		e .				
(HYPOTHETICAL: N	o	: :.					ē.
	(π Δ)	ANTI-SENSE: NO	*		* •		· .	•	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 124:

		•					•
TGGCTTTG	GG ACATG	5,	* ·				15
(2) INFO	RMATION FOR SEQ ID NO: 1	25:				:	
(i)	SEQUENCE CHARACTERISTIC (A) LENGTH: 16 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	irs					0
(ii)	MOLECULE TYPE: DNA (gen	omic)		•			• •
(iii)	HYPOTHETICAL: NO)					
(iv)	ANTI-SENSE: NO	*					
(xi)	SEQUENCE DESCRIPTION: S	EQ ID NO:	125:	•			
GTGGCTTT	GG GACATG	¥ 1		· · · ·			16
(2) INFO	RMATION FOR SEQ ID NO: 1	26:			· .		
(i)	SEQUENCE CHARACTERISTIC (A) LENGTH: 16 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	irs					
(ii)	MOLECULE TYPE: DNA (gen	omic)					
(iii)	HYPOTHETICAL: NO		,		* *		
(iv)	ANTI-SENSE: NO						
·) ·						0	
(xi)	SEQUENCE DESCRIPTION: S	EQ ID NO:	126:				
GGCTTTGG	GA CATGGA		· .				16
(2) INFO	RMATION FOR SEQ ID NO: 1	27:			• . •		
(i)	SEQUENCE CHARACTERISTEC (A) LENGTH: 18 base pa (B) TYPE: nucleic acid (C) STRANDEDNESS: sing (D) TOPOLOGY: linear	irs ·	00				
(ii)	MOLECULE TYPE: DNA (gen	cmic)					*.

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 127:

18

TCAGTTATAT GGATGATG

(2) INFORMATION FOR SEQ ID NO: 128:

(i).	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single ' (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)	•		
(iii)	HYPOTHETICAL: NO			
(iv)	ANTI-SENSE: NO			
			*	
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 128:	*	
TTCAGTTA	TA TGGATGAT			18
(2) INFOR	RMATION FOR SEQ ID NO: 129:	0		
(i) [*]	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)			
(iii)	HYPOTHETICAL: NO	•		
(iv)	ANTI-SENSE: NO	÷. " .		***
	*	,	•	
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 129:		
TTTCAGTT	AT ATGGATGAT	**************************************		19
(2) INFOR	MATION FOR SEQ ID NO: 130:			
· · · · · ·	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)	· ·		
(iii)	HYPOTHETICAL: NO		Y ₂	
(iv)	ANTI-SENSE: NO			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 130:		
TCAGTTATO	T GGATGATG		*	18
(2) INFOF	MATION FOR SEQ ID NO: 131:			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs		0	

(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 131:	
TTCAGTTATG TGGATGAT	18
(2) INFORMATION FOR SEQ ID NO: 132:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 19 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO. (iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 132:	
TTTCAGTTAT GTGGATGAT	19
(2) INFORMATION FOR SEQ ID NO: 133:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	-
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 133:	
TTTCAGTTAT GTGGATGA	18
(2) INFORMATION FOR SEQ ID NO: 134:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	÷

(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
14 <u>9</u> 0	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 134:
TGCTGCTATG CCTCATCTTC	20
(2) INFORMATION FOR SEQ ID NO: 135:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomi	c)
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 135:
CARAGACAAA AGAAAATTGG	20
(2) INFORMATION FOR SEQ ID NO: 136:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomi	c)
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	*.
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO: 136:
CTATGGATGG AAATTGC	
(2) INFORMATION FOR SEQ ID NO: 137:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomi	c)
(iii) UVDOTUETICAL NO	

(ii) MOLECULE TYPE: DNA (genomic)

(vi)	ANTI-SENSE: NO						*
	* **	· .		. 0			
	*						
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	137:				
CCTATGGA'	IG GAAATTG		• .				. 17
(2) INFO	RMATION FOR SEQ ID NO: 138:						
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				*	,	
(ii)	MOLECULE TYPE: DNA (genomic)					
(iii)	HYPOTHETICAL: NO			٠,			α.
(iv)	ANTI-SENSE: NO						
		: .					
(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	138:		٠, ٠,		
ACCTATGG	AT GGAAATT			94		•	17
(2) INFO	RMATION FOR SEQ ID NO: 139:		•		*		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*		8		, ,
(ii)	MOLECULE TYPE: DNA (genomic) .			***	, ,	
(iii)	HYPOTHETICAL: NO						
(iv)	ANTI-SENSE: NO			*			· •
				-)(-			
	SEQUENCE DESCRIPTION: SEQ I	D NO:	139:				
	AA CTCTATGTGG						20
	RMATION FOR SEQ ID NO: 140:	• .					
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		* :.		· · · ·		
(ii)	MOLECULE TYPE: DNA (genomic)					÷
(iii)	HYPOTHETICAL: NO	*			•		
(iv)	ANTI-SENSE: NO				e s ar e		
					0 :		

4			
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 140		
CTCAAGGCAA CTCTATGGG		•	19
(2) INFORMATION FOR SEQ ID NO: 141:			
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic)			
(iii) HYPOTHETICAL: NO			***
<pre>(iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID</pre>	NO. 141.		
TCAAGGCAAC TCTATGTTG	NO: 141:		* 10
	-		19
(2) INFORMATION FOR SEQ ID NO: 142:			₩
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			*
(ii) MOLECULE TYPE: DNA (genomic)			
(iii) HYPOTHETICAL: NO			
(iv) ANTI-SENSE: NO (xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 142:		
ATCCCATCAT CTTGGG	•	* *	- 16
(2) INFORMATION FOR SEQ ID NO: 143:	ŧ		
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 			
(ii) MOLECULE TYPE: DNA (genomic)		*, *	
(iii) HYPOTHETICAL: NO			*
(iv) ANTI-SENSE: NO		* ************************************	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 143:

ATCCCATCAT CTTGGGCGG	19
(2) INFORMATION FOR SEQ ID NO: 144:	•
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ I	D NO: 144:
TCCCATCATC TTGGGCGG	18
(2) INFORMATION FOR SEQ ID NO: 145:	***************************************
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)
(iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ I	D NO: 145:
CCCATCATCT TGGGCTGG	18
(2) INFORMATION FOR SEQ ID NO: 146:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 18 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(2)	INFO	RMATION FOR SEQ ID NO: 147:						
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	8		*			
	(ii)	MOLECULE TYPE: DNA (genomic)			·			
	(iii)	HYPOTHETICAL: NO						
	(iv)	ANTI-SENSE: NO						
						· ·		
	(xi)	SEQUENCE DESCRIPTION: SEQ II	NO: 14	7 :				
TTT	CGCAA	AA TACCTATG					18	
(2)	INFO	RMATION FOR SEQ ID NO: 148:		*		3 7 3 3	-	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						
٠.	(ii)	MOLECULE TYPE: DNA (genomic)	er e					
	(iii)	HYPOTHETICAL: NO		· '\$				
	(iv)	ANTI-SENSE: NO						
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 14	8:				
CTT	TCGCAZ	AA ATACCTATG	N			e e	19	
(2)	INFO	RMATION FOR SEQ ID NO: 149:	-					
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					<u>.</u>	9.
	(ii)	MOLECULE TYPE: DNA (genomic)						
	(iii)	HYPOTHETICAL: NO						
	(vi)	ANTI-SENSE: NO		0			**	
		*						
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 14	9:				
TCG	CAAAAT	TA CCTATGGG	·				18	
(2)	INFO	RMATION FOR SEQ ID NO: 150:						
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs		* 00				
			-	•				

(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 150:
TCTACTTCCA GGAACAT	17
(2) INFORMATION FOR SEQ ID NO: 151:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs	
(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 151:
TCTACTTCCA GGAACATC	18
(2) INFORMATION FOR SEQ ID NO: 152:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 152:
CTCTACTTCC AGGAACAT	18
(2) INFORMATION FOR SEQ ID NO: 153:	*
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

	(11)	MODECODE LIPE: DNA (denomic)		•		
٠.	(iii)	HYPOTHETICAL: NO				
	(iv)	ANTI-SENSE: NO				
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 153:		** ;*	
CTC	ractt	CC AGGAACAG	*	* /		18
(2)	INFO	RMATION FOR SEQ ID NO: 154:				
		SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	*	*		
	(ii)	MOLECULE TYPE: DNA (genomic)		*		
	(iii)	HYPOTHETICAL: NO			ş.	
	(iv)	ANTI-SENSE: NO			* * 00	
	• 4		*			
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 154:	*		
CTG	CACGA'	IT CCTGCT				16
(2)	INFO	RMATION FOR SEQ ID NO: 155:	8	*		
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
	(ii)	MOLECULE TYPE: DNA (genomic)		÷		
. ((iii)	HYPOTHETICAL: NO	· · · · · · · · · · · · · · · · · · ·	*		:
	(iv)	ANTI-SENSE: NO		0	*	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 155:		*	
TGCA	CGAT	TC CTGCTCA				17
(2)	INFO	RMATION FOR SEQ ID NO: 156:		*		
	(i)	SEQUENCE CHARACTERISTICS:	*			
		(A) LENGTH: 17 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear				

(/	IIII O I III I I I I I I I I I I I I I				
(iv)	ANTI-SENSE: NO				*)(-
		- 20			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 156:		•	
CTGCACGA	TT CCTGCTC			,	17
(2) INFO	RMATION FOR SEQ ID NO: 157:	·	4 4		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
(±i)	MCLECULE TYPE: DNA (genomic)	* *			-
(iii)	HYPOTHETICAL: NO				
(iv)	ANTI-SENSE: NO		*		
		<u> </u>			. '
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 157:			
TGCACGAT	IC CTGCTCAA		* 2. . *	· ·	18
(2) INFO	RMATION FOR SEQ ID NO: 158:				
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
(ii)	MOLECULE TYPE: DNA (genomic)				
(iii)	HYPOTHETICAL: NO				
(iv)	ANTI-SENSE: NO				16.1
	e	*	*		-
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 158:		0	
TTCGCAAG	AT TCCTATG				17
(2) INFOR	RMATION FOR SEQ ID NO: 159:		•		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		a)		-50
(ii)	MOLECULE TYPE: DNA (genomic)	**************************************		*	
(iii)	HYPOTHETICAL: NO	*	* * *		

(xi) SEQUENCE DESC	RIPTION: SEQ ID	NO: 159:		* *	
CTTTCGCAAG ATTCCTAT	4-				18
(2) INFORMATION FOR SE	Q ID NO: 160:				
(B) TYPE: nu	17 base pairs cleic acid NESS: single	*			
(ii) MOLECULE TYPE	: DNA (genomic)		*	. *	
(iii) HYPOTHETICAL:	NO			0	
(iv) ANTI-SENSE: N		NO: 160:			· ·
CTTTCGCAAG ATTCCTA					17
(2) INFORMATION FOR SE	Q ID NO: 161:				
(B) TYPE: nu	19 base pairs cleic acid NESS: single				
(ii) MOLECULE TYPE	: DNA (genomic)				
(iii) HYPOTHETICAL:	МО	*	· ()		
(iv) ANTI-SENSE: N	0	- 1		w **	
		* -30-		. **	
(xi) SEQUENCE DESC	RIPTION: SEQ ID	NO: 161:			12
CTTTCGCAAG ATTCCTATG	,		* * * .		19
(2) INFORMATION FOR SE (i) SEQUENCE CHAR (A) LENGTH: (B) TYPE: nu (C) STRANDED (D) TOPOLOGY	ACTERISTICS: 17 base pairs cleic acid NESS: single				
(ii) MOLECULE TYPE	: DNA (genomic)				
(iii) HYPOTHETICAL:	ИО				

(xi)	SEQUENCE DESCRIPTION: SEQ 1	NO: 162:		
CTCTATGT	AT CCCTCCT		**	17
(2) INFO	RMATION FOR SEQ ID NO: 163:	****		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	*		
(ii)	MOLECULE TYPE: DNA (genomic			
(iļi)	HYPOTHETICAL: NO		*	
(iv)	ANTI-SENSE: NO			
			9	1)(1
(xi)	SEQUENCE DESCRIPTION: SEQ I	NO: 163:		
TCTATGTA	TC CCTCCTG			. 17
(2) INFO	RMATION FOR SEQ ID NO: 164:	*	. * :	*
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic))·	* .	
(iii)	HYPOTHETICAL: NO	*		
(iv)	ANTI-SENSE: NO			
,				
(xi)	SEQUENCE DESCRIPTION: SEQ I	NO: 164:		
CTCTATGT	AT CCCTCCTGG			19
(2) INFO	RMATION FOR SEQ ID NO: 165:			<u>.</u>
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic	v	* *	
(iii)	HYPOTHETICAL: NO			
(iv)	ANTI-SENSE: NO	*	9 . (* .	1)(1)

CCTCTATGTA TCCCTCCT

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 165:

(2)	INFO	RMATION FOR SEQ ID NO: 166:					
	(i).	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					
	(ii)	MOLECULE TYPE: DNA (genomic	:)			•	
	(iii)	HYPOTHETICAL: NO			• • •		
	(iv)	ANTI-SENSE: NO					
		*					
	(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	166:			
CŢG	TACCA	AA CCTTCGG					1.7
(2)	INFO	RMATION FOR SEQ ID NO: 167:	٠.				
*	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					
	(<u>i</u> i)	MOLECULE TYPE: DNA (genomic	:)				
	(iii)	HYPOTHETICAL: NO		* *			
	(iv)	ANTI-SENSE: NO				•	
. *			•		*		
	(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	167:		p 8	
CTG	TACCA	AA CCTTÇG					16
(2)	INFO	RMATION FOR SEQ ID NO: 168:					
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				<u></u>	
	(ii)	MOLECULE TYPE: DNA (genomic	:)		* * **		
	(iii)	HYPOTHETICAL: NO					
	(iv)	ANTI-SENSE: NO		• •	•		
٠,	· ·	*		-	()	*	
	(xi)	SEQUENCE DESCRIPTION: SEQ I	D NO:	168:	* * *	٠	
GCŢ	GTACC?	AA ACCTTCGG		•	200	•	18
(2)	INFO	RMATION FOR SEQ ID NO: 169:		•	* *		
	(i)	SEQUENCE CHARACTERISTICS:			*		
				. *		8	

		41 42					
* *			Y		ان		
		(a) restorer. 1	0 haba maina				
		(A) LENGTH: 1 (B) TYPE: nuc					=)(=
	*	(C) STRANDEDN	ESS: single				, .
		(D). TOPOLOGY:	linear			•	
	/ + + +	MOLECULE TYPE:	DNA (genemic)		•		
	(÷ ÷ <i>1</i>	MODECODE TIPE.	DMA (Genomic)				
	(iii)	HYPOTHETICAL:	МО				
					**************************************	*	
-81	(TV)	ANTI-SENSE: NO					
				* *	or .		
		* * .					
•	(xi)	SEQUENCE DESCR	TPTTON: SEO ID	NO: 169:			
	(-,/	2220-1102 2200111				•	
	TGTACCAA	AC CTTCGGAG				18	
	-(2) INFO	RMATION FOR SEQ	TD NO: 170:				
	(4) INPO	MINITON FOR SLO	ID NO. 170.				
	(i)	SEQUENCE CHARAC					
		(A) LENGTH: 10 (B) TYPE: nucl					•
• *		(C) STRANDEDNI					o .
* •	۸.	(D) TOPOLOGY:		1 *		-	
	1220	VOI DOIT T GUEDO	mara : (
	(11)	MOLECULE TYPE:	DNA (genomic)	,			
	(iii)	HYPOTHETICAL: 1	NO .				
***	. /	ANIMIT CENTEE NO	Y	*		* ***	
	(TV)	ANTI-SENSE: NO					
	•						
				* * *			
	(x í)	SEQUENCE DESCRI	IPTION: SEQ ID	NO: 170:			
*			IPTION: SEQ ID	NO: 170:		16	
		SEQUENCE DESCRI	IPTION: SEQ ID	NO: 170:		16	
	GGACCCTG			NO: 170:		16	
	GGACCCTG	CC GAACCT	ID NO: 171:	NO: 170:		16	
	GGACCCTG	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC	ID NO: 171:	NO: 170:		16	
	GGACCCTG	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl	ID NO: 171: CTERISTICS: 6 base pairs leic acid	NO: 170:		16	
	GGACCCTG	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single	NO: 170:		16	
	GGACCCTG	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single	NO: 170:		16	
	GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear	NO: 170:		16	
	GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE:	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)	NO: 170:		16	
	GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE:	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)	NO: 170:		16	
	GGACCCTG (2) INFO (ii) (iii)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE:	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)	NO: 170:		16	
	GGACCCTG (2) INFO (ii) (iii)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)	NO: 170:		16	
	GGACCCTG (2) INFO (ii) (iii)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)	NO: 170:		16	
	GGACCCTG (2) INFO (ii) (iii) (iii) (iv)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)			16	
	GGACCCTG (2) INFO (ii) (iii) (iii) (iv)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)			16	
	GGACCCTG (2) INFO (ii) (iii) (iii) (iv)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic)			16	
	GGACCCTG (2) INFO (ii) (iii) (iv) (xi) GGACCCTG	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO SEQUENCE DESCRI	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic) NO				
	GGACCCTG (2) INFO (ii) (iii) (iv) (xi) GGACCCTG (2) INFO	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO SEQUENCE DESCRI	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic) NO IPTION: SEQ ID ID NO: 172:				
	GGACCCTG (2) INFO (ii) (iii) (iv) (xi) GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO SEQUENCE DESCRI	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic) NO IPTION: SEQ ID ID NO: 172: CTERISTICS:				
	GGACCCTG (2) INFO (ii) (iii) (iv) (xi) GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO SEQUENCE DESCRI	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic) NO IPTION: SEQ ID ID NO: 172: CTERISTICS: 6 base pairs				
	GGACCCTG (2) INFO (ii) (iii) (iv) (xi) GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO SEQUENCE DESCRI CC GAACCG RMATION FOR SEQ (A) LENGTH: 15 (B) TYPE: nucl	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic) NO IPTION: SEQ ID ID NO: 172: CTERISTICS: 6 base pairs leic acid				
	GGACCCTG (2) INFO (ii) (iii) (iv) (xi) GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO SEQUENCE DESCRI	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic) NO IPTION: SEQ ID ID NO: 172: CTERISTICS: 6 base pairs leic acid				
	GGACCCTG (2) INFO (ii) (iii) (iv) (xi) GGACCCTG (2) INFO (i)	CC GAACCT RMATION FOR SEQ SEQUENCE CHARAC (A) LENGTH: 16 (B) TYPE: nucl (C) STRANDEDNE (D) TOPOLOGY: MOLECULE TYPE: HYPOTHETICAL: N ANTI-SENSE: NO SEQUENCE DESCRI CC GAACCG RMATION FOR SEQ (A) LENGTH: 15 (B) TYPE: nucl	ID NO: 171: CTERISTICS: 6 base pairs leic acid ESS: single linear DNA (genomic) NO IPTION: SEQ ID ID NO: 172: CTERISTICS: 6 base pairs leic acid				

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ID NO: 172:	•		
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ID NO: 173:			
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ID NO: 174:		٠.	
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	() ID NO: 172: (): () ID NO: 173: (): () ID NO: 174: ():	O ID NO: 172: S: S: S: S: S: S: S: S: S:	O ID NO: 172: 3: 3: 4: 5: 6: 6: 6: 7 ID NO: 173: 6: 6: 7 ID NO: 174:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
	(A)		
(xi,)	SEQUENCE DESCRIPTION: SEQ ID	NO: 175:	
GTTGCTGT	TC AAAACCTG	* * *	18
(2) INFO	RMATION FOR SEQ ID NO: 176:		. ÷
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		8
(i <u>i</u>)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 176:	
TGTTGCTGT	TT CAAAACCTG		19
(2) INFO	RMATION FOR SEQ ID NO: 177:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO (<u>.</u>	. :
	γ		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 177:	·
ATGTTGCTC	TCAAAACCTG		20
(2) INFOR	RMATION FOR SEQ ID NO: 178:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		

- ,			
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 178:	
GAT	CCACG.	AC CACCA	15
(2)	INFO	RMATION FOR SEQ ID NO: 179:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: NO	
	•		,
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 179:	
GGAT	rccaco	GA CCACCA	16
(2)	INFO	RMATION FOR SEQ ID NO: 180:	ķ
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (3) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
- ((iii)	HYPOTHETICAL: NO	
• .	(iv)	ANTI-SENSE: NO	
			_
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 180:	•
GGAT	CCACC	SA CCACC	15
(2)	INFOR	RMATION FOR SEQ ID NO: 181:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(;;)	MOI ECHT E TVPE DNA (genomic)	

(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ IE	NO: 181:
GATCCACGAC CACCAGG	17
(2) INFORMATION FOR SEQ ID NO: 182:	*
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
*	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 182:
TGTTCCAAAC CCTCGG	16
(2) INFORMATION FOR SEQ ID NO: 183:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 183:
CTGTTCCAAA CCCTCG	
(2) INFORMATION FOR SEQ ID NO: 184:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	

CTGTTCCAAA CCCTCGG 17

(2) INFORMATION FOR SEQ ID NO: 185:

(2) INFORMATION FOR SEQ ID NO: 188:

(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO	*	
(iv)	ANTI-SENSE: NO		
	* *		
(xi)	SEQUENCE DESCRIPTION: SEQ II	NO: 185:	
GTTCCAAA	CC CTCGGAT		17
(2) INFO	RMATION FOR SEQ ID NO: 186:		•
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
			*
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 186:	
GCCAAATC	TG TGCAGC		16
(2) INFO	RMATION FOR SEQ ID NO: 187:	*	* *
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	*	<u>.</u>
(ii)	MOLECULE TYPE: DNA (genomic)		* .
(iii)	HYPOTHETICAL: NO	* , 4	
(iv)	ANTI-SENSE: NO		()
1-4-2-3	CEQUENCE DECORPORATOR GEO. TO	NO. 197	n n
	SEQUENCE DESCRIPTION: SEQ ID	NU: 18/:	
CCAAATCT(GT GCAGCAT	* * *	17

	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					
	(ii)	MOLECULE TYPE: DNA (genomic)				:	
	(iii)	HYPOTHETICAL: NO			0		•
•	(vi)	ANTI-SENSE: NO					
							٠
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 188:				
GCC	AAATC	TG TGCAGCAG		***		•	18
(2)	INFO	RMATION FOR SEQ ID NO: 189:	E			•	•
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			00		
	(ii)	MOLECULE TYPE: DNA (genomic)					
	(iii)	HYPOTHETICAL: NO			•		
. •	(vi)	ANTI-SENSE: NO					
			,				
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 189:				
GGC	CAAAT	CT GTGCAGC			î		17
(2)	INFO	RMATION FOR SEQ ID NO: 190:			•	- 30 -	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear-					Ĺ
· .	(ii)	MOLECULE TYPE: DNA (genomic)		- 00	. ·		
	(iii)	HYPOTHETICAL: NO	•				:
	(iv)	ANTI-SENSE: NO	a = =	•	,		
	·	* * * * * * * * * * * * * * * * * * * *	*		÷		
	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 190:				
ATC.	AACAA	CA ACCAGTA		:			17
(2)	INFO	RMATION FOR SEQ ID NO: 191:			T.		

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17 base pairs (B) TYPE: nucleic acid

<pre>(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic)</pre>	*	9° - 4		
(iii) HYPOTHETICAL: NO	÷ :	*		
(iv) ANTI-SENSE: NO			0	· · · · ·
			, ···()	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 191:			a .
GATCAACAAC AACCAGT		00		17
(2) INFORMATION FOR SEQ ID NO: 192:		*		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				ī
(ii) MOLECULE TYPE: DNA (genomic)	*			iĝi.
(iii) HYPOTHETICAL: NO	*			•
(iv) ANTI-SENSE: NO	· · · · · · · · · · · · · · · · · · ·		e : . =	
		÷		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 192:			
GATCAACAAC AACCAGTA				18
(2) INFORMATION FOR SEQ ID NO: 193:	*			•
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*		02
(ii) MOLECULE TYPE: DNA (genomic)		÷ 0, ,		
(iii) HYPOTHETICAL: NO				
(iv) ANTI-SENSE: NO				:
		*)(-)	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 193:			•
GGATCAACAA CAACCAGT				18
(2) INFORMATION FOR SEQ ID NO: 194:				
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			*	- () - ()
(ii) MOLECULE TYPE: DNA (genomic)		•		

(iii)	HYPOTHETICAL: NO	* *	. *
(iv)	ANTI-SENSE: NO		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 194:	*
TCAAGGCA	AC TCTATGTGG		19
(2) INFO	RMATION FOR SEQ ID NO: 195:		*
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*
(ii)	MOLECULE TYPE: DNA (genomic)	0	·
(iii)	HYPOTHETICAL: NO	*	
*	ANTI-SENSE: NO	IO. 195.	
	SEQUENCE DESCRIPTION: SEQ ID 1	10: 195:	1.7
	GG TCTTTGT	* 4	17
	RMATION FOR SEQ ID NO: 196:		
(<u>i</u>)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii,)	MOLECULE TYPE: DNA (genomic)	- *	* .
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	IO: 196:	
TAGGTTAA	AG GTCTTTGG		18
(2) INFO	RMATION FOR SEQ ID NO: 197:	~	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*.
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		· *

(IV) ANII-SENSE. NO		•		
			*)(-	
* * * * * * * * * * * * * * * * * * * *			•	
*				•
(xi) SEQUENÇE DESCRIP	TICN: SEQ ID	NO: 197:		
TTAGGTTAAA GGTCTTT				1
(2) INFORMATION FOR SEQ I	D NO: 198:			
(i) SEQUENCE CHARACT (A) LENGTH: 19 (B) TYPE: nucle (C) STRANDEDNES (D) TOPOLOGY: 1	base pairs ic acid S: single	* *		• •
(ii) MOLECULE TYPE: D	NA (genomic)		* *	
(iii) HYPOTHETICAL: NO	± 1			* .
(iv) ANTI-SENSE: NO		•		э. Х
1)		•		
			- 00	
(xi) SEQUENCE DESCRIP	TION: SEQ ID	NO: 198:		* * .
GGTTAAAGGT CTTTGTAGG				19
(2) INFORMATION FOR SEQ I	D NO: 199:		• • •	
(i) SEQUENCE CHARACT (A) LENGTH: 17 (B) TYPE: nucle (C) STRANDEDNES (D) TOPOLOGY: 1	base pairs ic acid S: single	" ف د د کار د د د د د د د د د د د د د د د د د د د	**	0
(ii) MÓLECULE TYPE: D	NA (genomic)			
(iii) HYPOTHETICAL: NO				
(iv) ANTI-SENSE: NO				a *(1
		·	*	
(xi) SEQUENCE DESCRIP	TION: SEQ ID	NO: 199:		
AGGTTAATGA TCTTTGT		· ·	0	1
(2) INFORMATION FOR SEQ I	D NO: 200:	i e		•
(i) SEQUENCE CHARACT (A) LENGTH: 18 (B) TYPE: nucle (C) STRANDEDNES (D) TOPOLOGY: 1	base pairs ic acid S: single			

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(xi)	SEQUENCE DESCRIPTION: SEQ ID N	NO: 200:
TAGGTTAA	TG ATCTTTGG	18
(2) INFO	RMATION FOR SEQ ID NO: 201:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: NO	
(xi)	SEQUENCE DESCRIPTION: SEQ ID N	NO: 201:
CTTTCGCA	AG ATTCCTATGG	20
(2) INFO	RMATION FOR SEQ ID NO: 202:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: NO	
	* *	
(xi)	SEQUENCE DESCRIPTION: SEQ ID N	NO: 202:
GCTTTCGC	AA GATTCCTATG	<u>•</u> 20
(2) INFO	RMATION FOR SEQ ID NO: 203:	*
(i) ^a	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
- (iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: NO	*

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 203:

	3/00			. 0		
GCT	TTCGCAA GATTCCTATG G					2
(2)	INFORMATION FOR SEQ ID NO: 204:			<i>a</i> •		
•	(i) SEQUENCE CHARACTERISTICS:					
	(A) LENGTH: 21 base pairs					
	(B) TYPE: nucleic acid(C) STRANDEDNESS: single		-			
	(D) TOPOLOGY: linear					
	(ii) MOLECULE TYPE: DNA (genomic)					
	(iii) HYPOTHETICAL: NO					
	(iv) ANTI-SENSE: NO					
		,				
•.						
	(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 204:				
CTŢ	TCGCAAG ATTCCTATGG G	•				21
(2)	INFORMATION FOR SEQ ID NO: 205:		· ·		• •	. *
	(i) SEQUENCE CHARACTERISTICS:	- '				
	(A) LENGTH: 20 base pairs		-			
	(B) TYPE: nucleic acid (C) STRANDEDNESS: single					
-	(D) TOPOLOGY: linear		• • •			
	(ii) MOLECULE TYPE: DNA (genomic)		* *			
	(iii) HYPOTHETICAL: NO		• 10			
	(iv) ANTI-SENSE: NO	-)	- *			
					•	
•		*	·,			
• •	(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 205:				
GCT	GTACCAA ACCTTCGGAG				•	20
(2)	INFORMATION FOR SEQ ID NO: 206:					
	(i) SEQUENCE CHARACTERISTICS:				<u>.</u>	
	(A) LENGTH: 19 base pairs (B) TYPE: nucleic acid		. •			
	(C) STRANDEDNESS: single	• •	*- ** *** *** *** *** *** *** *** *** *			
	(D) TOPOLOGY: linear	. *				

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 206: TGCTGTACCA AACCTTCGG

(ii) MOLECULE TYPE: DNA (genomic)

(2) INFORMATION FOR SEQ ID NO: 207:

(iii) HYPOTHETICAL: NO

	. , – ,	(A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
	(ii)	MOLECULE TYPE: DNA (genomic)	•	*	
	(iii)	HYPOTHETICAL: NO			-
	(iv)	ANTI-SENSE: NO			
		· · · · · · · · · · · · · · · · · · ·		*.	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID N	IO: 207:	*	
TG	CTGTAC	CA AACCTTCGGA G		2	21
(2)	INFO	RMATION FOR SEQ ID NO: 208:		÷ .	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
	(ii)	MOLECULE TYPE: DNA (genomic)		* * *	
	(iii)	HYPOTHETICAL: NO			
	(iv)	ANTI-SENSE: NO			•
	(xi)	SEQUENCE DESCRIPTION: SEQ ID N	io: 208:	y - 9	
GCT	GTACC	AA ACCTTCGGAT		*	20
(2)	INFO	RMATION FOR SEQ ID NO: 209:			
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		<u>.</u>	
	(ii)	MOLECULE TYPE: DNA (genomic)		70	
	(iii)	HYPOTHETICAL: NO			
	(iv)	ANTI-SENSE: NO			
	* 10	* * * * * * * * * * * * * * * * * * * *			
	(xi)	SEQUENCE DESCRIPTION: SEQ ID N	ro: 209:		
TGC	TTCGC	CG GGCTTT			16
(2)	INFO	RMATION FOR SEQ ID NO: 210:	1		

(i) SEQUENCE CHARACTERISTICS:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 17 base pairs

	(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(i.	i) MOLECULE TYPE: DNA (genomic)		
(ii	Li) HYPOTHETICAL: NO	* x	
(it	v) ANTI-SENSE: NO	*	
(xi) SE	SEQUENCE DESCRIPTION: SEQ ID NO: 210:		
GTGGTTC	CCGCC GGGCTTG .		. 17.
		* *	
	FORMATION FOR SEQ ID NO: 211:		
. (i	(A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(i.i	i) MOLECULE TYPE: DNA (genomic)		
(iii	i) HYPOTHETICAL: NO		
(iv	v) ANTI-SENSE: NO		
. ~			
(xi	i) SEQUENCE DESCRIPTION: SEQ ID NO: 211:		
GGTTCGC	CCGG GCTTC		16
(2) INF	FORMATION FOR SEQ ID NO: 212:		•
(i	i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii	i) MOLECULE TYPE: DNA (genomic)		<u>-</u>
(iii	i) HYPOTHETICAL: NO		÷
(iv	v) ANTI-SENSE: NO	. 1	
-		*	
(xi	i) SEQUENCE DESCRIPTION: SEQ ID NO: 212:		i .
TGGTTCG	GCCG GGCTTTC		17
(2) INF	FORMATION FOR SEQ ID NO: 213:	* *_	• +
(i	i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single		

(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 213:
AGTGGTTCGC CGGGCTGG	18
(2) INFORMATION FOR SEQ ID NO: 214:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	*
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 214:
AGGATCCACG ACCACCAGG	. 19
(2) INFORMATION FOR SEQ ID NO: 215:	* * * * * * * * * * * * * * * * * * * *
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 215:
AGGATCCACG ACCACCAGT	19
(2) INFORMATION FOR SEQ ID NO: 216:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs	*

(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID) NO: 216:
CAGGATCCAC GACCACCAGG	20
(2) INFORMATION FOR SEQ ID NO: 217:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 217:
CTGTTCCAAA CCCTCGGAG	19
(2) INFORMATION FOR SEQ ID NO: 218:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 218:
CTGTTCCAAA CCCTCGGAT	19
(2) INFORMATION FOR SEQ ID NO: 219:	*
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	

(xi) SEQUENCE DESCRIPTION: SEQ I	D NO: 219:
GCTGTTCCAA ACCCTCGGAG	20
(2) INFORMATION FOR SEQ ID NO: 220:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ I	D NO: 220:
CTGAACCTTT ACCCCGTTGC	20
(2) INFORMATION FOR SEQ ID NO: 221:	***
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ I	D NO: 221:
CTCGCCAACT TACAAGGCCT TTC	23
(2) INFORMATION FOR SEQ ID NO: 222:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)
(iii) HYPOTHETICAL: NO	

ACA AMOCCOMM. COCMCA CMCC		20
AGAATGGCTT GCCTGAGTGC	*	20
(2) INFORMATION FOR SEQ ID NO: 223:	0	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 223:	
GCTTTCGCAA GATTCCTATG GG		22
(2) INFORMATION FOR SEQ ID NO: 224:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MCLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		**
(iv) ANTI-SENSE: NO		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 224:	
GGCTTTCGCA AGATTCCTAT GG		22
(2) INFORMATION FOR SEQ ID NO: 225:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO	· · · · · · · · · · · · · · · · · · ·	•
(iv) ANTI-SENSE: NO		
6 - A San		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 222:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 225:

			0			
GGC	TTTCG	CA AGATTCCTAT GGG				, 2
(2)	INFO	RMATION FOR SEQ ID NO: 226:				
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
	(ii)	MOLECULE TYPE: DNA (genomic)				
	(iii)	HYPOTHETICAL: NO				
	(iv)	ANTI-SENSE: NO		•		
			* * * *			
· ·	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 226:	*		
GGC'	TTTCG	CA AGATTCCTAT GGGA				. 24
(2)	INFO	RMATION FOR SEQ ID NO: 227:		*		
0	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*	*	
	(ii)	MOLECULE TYPE: DNA (genomic)	0	Ši.		
	(iii)	HYPOTHETICAL: NO	*			
. 0	(vi)	ANTI-SENSE: NO	***	. *	•	
÷.				* (1)	**,	
A	(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 227:		** <u>*</u>	
CAG	CTATA	TG GATGATGTG				19
(2)	INFO	RMATION FOR SEQ ID NO: 228:				· ·
•	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single		e a		<u>*</u> :

- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 228:

AGCTATATGG ATGATGTGGG

(2) INFORMATION FOR SEQ ID NO: 229:

 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
*	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 229:
GCTATATGGA TGATGTGGT	19
(2) INFORMATION FOR SEQ ID NO: 230:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
	*
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 230:
AGCTATATGG ATGATGTGGT	20
(2) INFORMATION FOR SEQ ID NO: 231:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 231:
CAGCTATATG GATGATATA	19
(2) INFORMATION FOR SEQ ID NO: 232:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs	

(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
	*		
		*	
(xi)	SEQUENCE DESCRIPTION: SEQ ID) NO: 232:	
AGCTATAT	GG ATGATATAGG	20	
(2) INFO	RMATION FOR SEQ ID NO: 233:		٠
_(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(<u>ii</u>)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
	12.4		
•			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 233:	
GCTATATG	GA TGATATAGT	19	
(2) INFO	RMATION FOR SEQ ID NO: 234:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 234:	
AGCTATATO	GG ATGATATAGT	20	
(2) INFO	RMATION FOR SEQ ID NO: 235:		:
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid		

(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(11)) MOLECULE TYPE: DNA (genomic)		•	
(iii) HYPOTHETICAL: NO			
(.iv) ANTI-SENSE: NO		:	-00
*.				· · · · · · · · · · · · · · · · · · ·
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 235:		
		110. 255.	* · · · · X · · · · · · · · · · · · · ·	17
	CTT GGGCTTG	* 0		17
(2) INF	ORMATION FOR SEQ ID NO: 236:			
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii) MOLECULE TYPE: DNA (genomic)			
(iii) HYPOTHETICAL: NO	· .	*	*
(iv) ANTI-SENSE: NO			
v v :				
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 236:		•
CATCATC	TTG GGCTTT		•	16
(2) INF	ORMATION FOR SEQ ID NO: 237:		*.	
. (i.	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	*		
(ii)	MOLECULE TYPE: DNA (genomic)			1
(iii) HYPOTHETICAL: NO	. "		
*	ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID	NO: 237:		
CCATCATO	CTT GGGCTTT			17
(2) INFO	ORMATION FOR SEQ ID NO: 238:			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)		*	* * * * * * * * * * * * * * * * * * * *

(iii) HYPOTHETICAL: NO

•			,	• •				
(xi)	SEQUENCE DESCRIPTION: SEQ II	о ио:	238:					
	TT GGGCTTTC		*.					18
	RMATION FOR SEQ ID NO: 239:							
	SEQUENCE CHARACTERISTICS:			*		. •		
* .	(A) LENGTH: 17 base pairs (B) TYPE: nucleic acid							
	(C) STRANDEDNESS: single (D) TOPOLOGY: linear							
(ii)	MOLECULE TYPE: DNA (genomic)						,	
(iii)	HYPOTHETICAL: NO	•						
(iv)	ANTI-SENSE: NO							
	÷ * * * * * * * * * * * * * * * * * * *		:		•			
			*					
(xi)	SEQUENCE DESCRIPTION: SEQ II) NO:	239:		·			
CCCACTGT	CT GGCTTTC							17
(2) INFO	RMATION FOR SEQ ID NO: 240:							
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		d e			•		
(ii)	MOLECULE TYPE: DNA (genomic)		*					
(iii)	HYPOTHETICAL: NO							
(iv)	ANTI-SENSE: NO		•					
			· · :		· · · · · · · · · · · · · · · · · · ·		<u> </u>) i
(xi)	SEQUENCE DESCRIPTION: SEQ II	NO:	240:		-			
CCACTGTC	IG GCTTTC							16
(2) INFO	RMATION FOR SEQ ID NO: 241:		. .		•			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	Ŧ .	. * *	-				8.
(ii)	MOLECULE TYPE: DNA (genomic)							
(iii)	HYPOTHETICAL: NO		. •.					

(iv) ANTI-SENSE: NO

(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 241:	*		
CCACTGTC	TG GCTTT		() *		15
(2) INFO	RMATION FOR SEQ ID NO: 242:	ty.			
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (3) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
(ii)	MOLECULE TYPE: DNA (genomic)		*		
(iii)	HYPOTHETICAL: NO				4
(iv)	ANTI-SENSE: NO		• •		
					•
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 242:	-	* (
CCCACTGT	CT GGCTTG		· · · · ·		16
(2) INFO	RMATION FOR SEQ ID NO: 243:		, ex		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
(ii)	MOLECULE TYPE: DNA (genomic)				
(iii)	HYPOTHETICAL: NO				
(iv)	ANTI-SENSE: NO				
Ç.	* 20				
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 243:		0)0	
TATATGGAT	rg atgtggta -		e = :		18
(2) INFOR	RMATION FOR SEQ ID NO: 244:		, .		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear				
(ii)	MOLECULE TYPE: DNA (genomic)			·	٠.
(iii)	HYPOTHETICAL: NO		* .		
· (iv)	ANTI-SENSE: NO				

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 244:

- (A) LENGTH: 18 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 246:

TATATTGATG ATGTGGTA

18

- (2) INFORMATION FOR SEQ ID NO: 247:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 247:

				. *		
(2) INFO	RMATION FOR SEQ ID NO: 248:		• 0		. *	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs					
	(B) TYPE: nucleic acid				•	
	(C) STRANDEDNESS: single					
	(D) TOPOLOGY: linear					*
. "					:	
(ii)	MOLECULE TYPE: DNA (genomic)					
(iii)	HYPOTHETICAL: NO				8	¥*
(iv)	ANTI-SENSE: NO	** .			-	
	<u> </u>					٠
				•		
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 248:	· ·		•	
TATGTTGAT	TG ATGTGGTA	•			· .	18
(2) INFO	RMATION FOR SEQ ID NO: 249:					
(i)	SEQUENCE CHARACTERISTICS:					
	(A) LENGTH: 18 base pairs (B) TYPE: nucleic acid	8 •				
- :	(C) STRANDEDNESS: single					
	(D) TOPOLOGY: linear	·	,	1		
(ii)	MOLECULE TYPE: DNA (genomic)				•	- 40
	HYPOTHETICAL: NO		*	* =		
**	ANTI-SENSE: NO					
(24)	14112 0111001. 110		-			
(xi)	SEQUENCE DESCRIPTION: SEQ ID	NO: 249:				
TATATGGAT	IG ATATAGTA	, e	."			18
(2) INFO	RMATION FOR SEQ ID NO: 250:					. , .
(i)	SEQUENCE CHARACTERISTICS:					
	(A) LENGTH: 18 base pairs					
*	(B) TYPE: nucleic acid				.	-
	(C) STRANDEDNESS: single	-		. *	. ~	
	(D) TOPOLOGY: linear	* .				•
(ii)	MOLECULE TYPE: DNA (genomic)				.• .	
(iii)	HYPOTHETICAL: NO	-				•
(iv)	ANTI-SENSE: NO		•	. •		
				-)) e	
					•	
	SEQUENCE DESCRIPTION: SEQ ID	NO: 250:				•
	TG ATATCGTA	2	•			18
:	RMATION FOR SEQ ID NO: 251:	x		, a	()	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs	•			•	
					7.	
	7 e	· .				

(B) TYPE: nucleic acid(C) STRANDEDNESS; single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 251:
TATGTGGATG ATATAGTA	18
(2) INFORMATION FOR SEQ ID NO: 252:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 252:
TATGTGGATG ATATCGTA	18
(2) INFORMATION FOR SEQ ID NO: 253:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA (genomic)	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: NO	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 253:
TATATAGATG ATATAGTA	18
(2) INFORMATION FOR SEQ ID NO: 254:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

(11)	MODECODE LIFE. DNA (GENOMI	٠,					
(iii)	HYPOTHETICAL: NO					-	
(iv)	ANTI-SENSE: NO						
	*						
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO:	254:		• .		
TATATAGA	TG ATATCGTA						18
	RMATION FOR SEQ ID NO: 255:						
/	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear						
(ii)	MOLECULE TYPE: DNA (genomic	c)			;	8	
(iii)	HYPOTHETICAL: NO				.e		
(iv)	ANTI-SENSE: NO		*	*			
			٠,				\$.
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO:	255:				
PATATTGA	TG ATATAGTA				•		18
(2) INFO	RMATION FOR SEQ ID NO: 256:						
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	. 3		*			
(<u>ii</u>)	MOLECULE TYPE: DNA (genomic	=)					
(iii)	HYPOTHETICAL: NO					*	<u>.</u>
(iv).	ANTI-SENSE: NO						
		•					
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO:	256:				
ratattga	TG ATATCGTA			* * * * * * * * * * * * * * * * * * * *			18
(2) INFO	RMATION FOR SEQ ID NO: 257:						
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		*	÷			*)
(ii)	MOLECULE TYPE: DNA (genomic	\$)	())			*	*.

(iv) ANTI-SENSE: NO		
	*0	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 257:	*
TATGTAGATG ATATAGTA		18
(2) INFORMATION FOR SEQ ID NO: 258:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO	•	
		x
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 258:	
TATGTAGATG ATATCGTA	, , , , , , , , , , , , , , , , , , , ,	18
(2) INFORMATION FOR SEQ ID NO: 259:		•
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		* *
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		* .
(iv) ANTI-SENSE: NO	a de la composição de l	**
*		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 259:	. •
TATGTTGATG ATATAGTA		18
(2) INFORMATION FOR SEQ ID NO: 260:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		*

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 260:	
TATGTTGA	TG ATATCGTA	18
(2) INFO	RMATION FOR SEQ ID NO: 261:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
3	ANTI-SENSE: NO	* -
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 261:	
TATATGGA	TG ATCTGGTA	18
(2) INFO	RMATION FOR SEQ ID NO: 262:	-
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	•
(iv)	ANTI-SENSE: NO	
*		
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 262:	
TATGTGGA	TG ATCTGGTA	18
(2) INFO	RMATION FOR SEQ ID NO: 263:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA (genomic)	
(iii)	HYPOTHETICAL: NO	
	ANTI-SENSE: NO	

(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 263:	*	
TATATAGA	TG ATCTGGTA		18
(2) INFO	RMATION FOR SEQ ID NO: 264:		•
(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO	THE STATE OF THE S	
(iv)	ANTI-SENSE: NO		
(x <u>:</u>)	SEQUENCE DESCRIPTION: SEQ ID NO: 264:		
TATATTGA	TG ATCTGGTA	*	18
(2) INFO	RMATION FOR SEQ ID NO: 265:	*	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		
Ý.			
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 265:		
TATGTAGA	TG ATCTGGTA		18
(2) INFO	RMATION FOR SEQ ID NO: 266:		•
	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: NO		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 266:

(2) INFO	RMATION FOR SEQ ID NO: 267	:		•	• .	
(i)·	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	S				
(ii)	MOLECULE TYPE: DNA (genom	ic)				
(iii)	HYPOTHETICAL: NO	*.				
(iv)	ANTI-SENSE: NO		1.	. *		
ē.		*		*		
-	8				*	
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO: 26	7:			
TATGGGAG	TG CGCCTCAG					18
(2) INFO	RMATION FOR SEQ ID NO: 268	:				. (*)
(i).	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	S				; ;
(ii)	MOLECULE TYPE: DNA (genom	ic)			*	
(iii)	HYPOTHETICAL: NO		. •	*		*
(iv)	ANTI-SENSE: NO					
			*		ġ*	
(xi)	SEQUENCE DESCRIPTION: SEQ	ID NO: 26	8:	- ();	. *	
TATGGGAT'	TG GGCCTCAG					18
(2) INFO	RMATION FOR SEQ ID NO: 269					
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pair (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	S				*.
(ii)	MOLECULE TYPE: DNA (genom	ic)				
(iii)	HYPOTHETICAL: NO	*	-00			
(iv)	ANTI-SENSE: NO					
(aci)	CECUENCE DESCRIPTION - CEC	ID NO. 26	۵.			
	SEQUENCE DESCRIPTION: SEQ	TD MO: 26	3 ;	. *		1.0
CAGTCCGT"	TT CTCTTGGC		1.	-	70	18

(2) INFORMATION FOR SEQ ID NO: 270:

(i) SEQUENCE CHARACTERISTICS:

(ii) MOLECULE TYPE: DNA (genomic)	- X	*
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 270:	
CAGTCTGTTT CTCTTGGC		18
(2) INFORMATION FOR SEQ ID NO: 271:		*
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		•
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
*		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 271:	•
CAGTCCGTTT CTCATGGC		18
(2) INFORMATION FOR SEQ ID NO: 272:		
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 		*.
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
* * * * * * * * * * * * * * * * * * *		\$
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 272:	
CAGTCTGTTT CTCATGGC		18
(2) INFORMATION FOR SEQ ID NO: 273:		*
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 18 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single		*

(A) LENGTH: 18 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

•		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		
(iv) ANTI-SENSE: NO		
v.		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 273:	
CAGTCCGTTT CTCCTGGC		18
(2) INFORMATION FOR SEQ ID NO: 274:	* * - : .	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		÷
(ii) MOLECULE TYPE: DNA (genomic)	•	
(iii) HYPOTHETICAL: NO		•
(iv) ANTI-SENSE: NO		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 274:	
CAGTCTGTTT CTCCTGGC		- 18
(2) INFORMATION FOR SEQ ID NO: 275:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: DNA (genomic)		
(iii) HYPOTHETICAL: NO		1 =
(iv) ANTI-SENSE: NO		
*		
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO: 275:	
CAGCCCGTTT CTCCTGGC		18
(2) INFORMATION FOR SEQ ID NO: 276:		
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		2
(ii) MOLECULE TYPE: DNA (genomic)	*	

(D) TOPOLOGY: linear

(ī <u>^</u> ,	ANTI-SENSE: NO			
			,	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	0: 276:		
CAGCCTGT	TT CTCCTGGC			18
(2) INFO	RMATION FOR SEQ ID NO: 277:	* *		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
· (ii)	MOLECULE TYPE: DNA (genomic)	· * .		
(iii)	HYPOTHETICAL: NO		- 00	
(iv)	ANTI-SENSE: NO			
Ē				
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	o: 277:		- 78
CAGCCCGT	TT CTCATGGC			18
(2) INFO	RMATION FOR SEQ ID NO: 278:		· ·	
(<u>i</u>)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)			
(iii)	HYPOTHETICAL: NO			-
(iv)	ANTI-SENSE: NO			
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	278:	8	*
CAGCCTGT'	TT CTCATGGC	* *		18
(2) INFO	RMATION FOR SEQ ID NO: 279:	1. =		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 3221 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii)	MOLECULE TYPE: DNA (genomic)	*		
(iii)	HYPOTHETICAL: NO	*		**************************************
(:)	AMPT-SENSE NO		•	

(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 279:

AATTCCACTG	CCTTCCACCA	AGCTCTGCAG	GATCCCAAAG	TCAGGGGTCT	GTATCTTCCT	60
GCTGGTGGCT	CCAGTTCAGG	AACAGTAAAC	CCTGCTCCGA	ATATTGCCTC	TCACATCTCG	120
TCAATCTCCG	CGAGGACTGG	GGACCCTGTG	ACGAACATGG	AGAACATCAC	ATCAGGATTC	180
CTAGGACCCC CCGCAGAGTC	TGCTCGTGTT TAGACTCGTG		TTTTTCTTGT CTCAATTTTC			240 300
CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCCTG	TCCTCCAATT	360
TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GATTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTAATTCCAG	GATCAACAAC	AACCAGTACG	GGACCATGCA	AAACCTGCAC	GACTCCTGCT	540
CAAGGCAACT	CTATGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGATGG	AAATTGCACC	600
TGTATTCCCA	TCCCATCGTC	CTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTÇAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGCTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGACT	GTACAGCATC	780
GTGAGTCCCT	TTATACCGCT	GTTACCAATT	TTCTTTTGTC	TCTGGGTATA	CATTTAAACC	840
СТААСААААС	AAAAAGATGG	GGTTATTCCC	TAAACTTCAT	GGTCTACATA	ATŢGGAAGTT	900
GGGGAACATT	GCCACAGGAT	CATATTGTAC	AAAAGATCAA	ACACTGTTTT	AGAAAACTTC :	960
CTGTTAACAG	GCCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCTCCATT	TACTCAATGT	GGATATCCTG	CCTTAATGCC	TTTGTATGCA	TGTATACAAG	1080
CTAAACAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTAAGTAAA	CAGTAÇATGA	1140
ACCTTTACCC	CGTTGCTCGG	CAACGGCCTG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
CCACTGGCTG	GGGCTTGGCC	ATAGGCCATC	AGCGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCAA	1320
AGCTCATCGG	AACTGACAAT	TCTGTCGTCC	TCTCGCGGAA	ATATACATCG	TTTCCATGGC	1380
TGCTAGGCTG	TACTGCCAAC	TGGATCCTTC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCCTCTCGGG	GCCGCTTGGG	AGTCTCTCGT	CCCCTTCTCC	1500
GTCTGCCGTT	CCAGCCGACC	ACGGGGCGCA	ССТСТСТТТА	CGCGGTCTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTTGCA	TGGAGACCAC	1620
CGTGAACGCC	CATCAGATCC	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCAGC	1680
AATGTCAACG	ACCGACCTTG	AGGCCTACTT	CAAAGACTGT	GTGTTTAAGG	ACTGGGAGGA	1740
GCTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGCGCACCA	GÇACÇATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TACATGTCCC	1860

ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCC	1980
GTCAGAGATC	TCCTAGACAC	CGCCTCAGCT	CTGTATCGAG	AAGCCTTAGA	GTCTCCTGAG	2040
CATTGCTCAC	CTCACCATAC	TGCACTCAGG	CAAGCCATTC	TCTGCTGGGT	GGAATTGATG	2100
ACTCTAGCTA	CCTGGGTGGG	TAATAATTTG	GAAGATCCAG	CATCCAGGGA	TCTAGTAGTC	2160
AATTATGTTA	ATACTAACAŢ	GGGTTTAAAG	ATCAGGCAAC	TATTGTGGTT	TCATATATCT	2220
TGCCTTACTT	TTGGAAGAGA	GACTGTGCTT	GAATATTTGG	TCTCTTTCGG	AGTGTGGATT	2280
CGCACTCCTC	CAGCCTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGGGA	CCGAGGCAGG	TCCCCTAGAA	GAAGAACTCC	CTCGCCTCGC	2400
AGACGCAGAT	CTCAATCGCC	GCGTCGCAGA	AGATCTCAAT	CTCGGGAATC	TCAATGTTAG	2460
TATTCCTTGG	ACTCATAAGG	TGGGAAACTT	TACTGGGCTT	TATTCCTCTA	CAGTACCTAT	2520
CTTTAATCCT	GAATGGCAAA	CTCCTTCCTT	TCCTAAGATT	CATTTACAAG	AGGACATTAT	2580
TAATAGGTGT	CAACAATTTG	TGGGCCCTCT	CACTGTAAAT	GAAAAGAGAA	GATTGAAATT	2640
AATTATGCCT	GCCAGATTCT	ATCCTACCCA	CACTAAATAT	TTGCCCTTAG	ACAAAGGAAT	2700
TAAACCTTAT	TATCCAGATC	AGGTAGTTAA	TCATTACTTC	CAAACCAGAC	ATTATTTACA	2760
TACTCTTTGG	AAGGCTGGTA	TTCTATATAA	GAGGGAAACC	ACACGTAGCG	CATCATTTTG	2820
CGGGTCACCA	TATTCTTGGG	AACAAGAGCT	ACAGCATGGG	AGGTTGGTCA	TCAAAACCTC	2880
GCAAAGGCAT	GGGGACGAAT	CTTTCTGTTC	CCAACCCTCT	GGGATTCTTT	CCCGATCATC	2940
AGTTGGACCC	TGCATTCGGA	GCCAACTCAA	ACAATCCAGA	TTGGGACTTC	AACCCCATCA	3000
AGGACCACTG	GCCAGCAGCC	AACCAGGTAG	GAGTGGGAGC	ATTCGGGCCA	AGGCTCACCC	3060
CTCCACACGG	CGGTATTTTG	GGGTGGAGCC	CTCAGGCTCA	GGGCATATTG	ACCACAGTGT	3120
CAÁCAATTCC	TCCTCCTGCC	TCCACCAATC	GGCAGTCAGG	AAGGCAGCCT	ACTCCCATCT	3180
CTCCACCTCT	AAGAGACAGT	CATCCTCAGG	CCATGCAGTG	G		3221

(2) INFORMATION FOR SEQ ID NO: 280:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3200 base pairs

 - (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 280:

GCTGGTGGCT	CCAGTTCAGG	AACAGTAAAC	CCTGCTCCGA	ATATTGCCTC	TCACATCTCG	120
TCAATCTCCG	CGAGGACTGG	GGACCCTGTG	ACGATCATGG	AGAACATCAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGATC	ACCCGTGTGT	300
CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCCTG	TCCTCCAATT	360
TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTATT	GGTTCTTCTG	GATTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTAATTCCAG	GATCAACAAC	AACCAGTACG	GGACCATGCA	AAACCTGCAC	GACTCCTGCT	540
CAAGGCAACT	CTAAGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGATGG	AAATTGCACC	600
TGTATTCCCA	TCCCATCGTC	CTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGŢTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGCTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAGCATC	780
GTGAGTÇCCT	TTATACCGCT	GTTACCAATT	TTCTTTTGTC	TCTGGGTATA	CATTTAAACC	840
CTAACAAAAC	AAAAAGATGG	GGTTATTCCC	TAAACTTCAT	GGGCTACATA	ATTGGAAGTT	900
GGGGAACTTT	GCCACAGGAT	CATATTGTAC	AAAAGATCAA	ACACTGTTTT	AGAAAACTTC	960
CTGTTAACAG	GCCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCTCCATT	TACACAATGT	GGATATCCTG	CCTTAATGCC	TTTGTATGCA	TGTATACAAG	1080
CTAAACAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTAAGTAAA	CAGTACATGA	1140
ACCTTTACCC	CGTTGCTCGG	CAACGGCCTG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
CCACTGGCTG	GGGCTTAGCC.	ATAGGCCATC	AGCGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCAA	1320
AGCTCATCGG	AACTGACAAT	TCTGTCGTCC	TCTCGCGGAA	ATATACATCA	TTTCCATGGC	1380
TGCTAGGCTG	TACTGCCAAC	TGGATCCTTC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCCTCTCGGG	GCCGCTTGGG	ACTCTCTCGT	CCCCTTCTCC	1500
GTCTGCCGTT	CCAGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTTGCA	TGGCGACCAC	.1620
CGTGAACGCC	CATCAGATCC	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCCCAGC	1680
AATGTCAACG	ACCGACCTTG	AGGCCTACTT	CAAAGACTGT	GTGTTTAAGG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGGT	TAATGATCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TACATGTCCC	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	. 1920
AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCC	1980
GTACGAGATC	TCCTAGACAC	CGCCTCAGCT	CTGTATCGAG	AAGCCTTAGA	GTCTCCTGAG	2040
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CATTGCTCAC	CTCACCATAC	TGCACTCAGG	CAAGCCATTC	TCTGCTGGGG	GGAATTGATG	2100
ACTCTAGCTA	CCTGGGTGGG	TAATAATTTG	CAAGATCCAG	CATCCAGAGA	TCTAGTAGTC	2160
AATTATGTTA	ATACTAACAT	GGGTTTAAAG	ATCAGGCAAC	TATTGTGGTT	TCATATATCT	2220
TGCCTTACTT	TTGGAAGAGA	GACTGTACTT	GAATATTTGG	TCTCTTTCGG	AGTGTGGATT	2280
CGCACTCCTC	CAGCCTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGGGA	CCGAGGCAGG	TCCCCTAGAA	GAAGAACTCC	CTCGCCTCGC	2400
AGACGCAGAT	CTCAATCGCC	GCGTCGCAGA	AGATCTCAAT	CTCGGGAATC	TCAATGTTAG	2460
TATTCCTTGG	ACTCATAAGG	TCGGAAACTT	TACGGGGCTT	TATTCCTCTA	CAGTACCTAT	2520
CTTTAATCCT	GAATGGCAAA	CTCCTTCCTT	TCCTAAGATT	CATTTACAAG	AGGACATTAT	2580
TAATAGGTGT	CAACAATTTG	TGGGCCCTCT	CACTGTAAAT	GAAAAGAGAA	GATTGAAATT	2640
AATTATGCCT	GCTAGATTCT	ATCCTACCCA	CACTAAATAT	TTGCCCTTAG	ACAAAGGAAT	2700
TAAACCTTAT	TATCCAGATC	AGGTAGTTAA	TCATTACTTC	CAAACCAGAC	ATTATTTACA	2760
TACTCTTTGG	AAGGCTGGTA	TTCTATATAA	GAGGGAAACC	ACACGTAGCG	CATCATTTTG	2820
CGGGTCACCA	TATTCTTGGG	AACAAGAGCT	ACAGCATTCG	CAAAGGCATG	GGGACGAATC	2880
TTTCTGTTCC	CAACCCTCTG	GGATTCCTTC	CCGATCATCA	GTTGGACCCT	GCATTCGGAG	2940
CCAACTCAAC	AAATCCAGAT	TGGGACTTCA	ACCCCATCAA	GGACCACTGG	CCAGCAGCCA	3000
ACCAGGTAGG	AGTGGGAGCA	TTCGGGCCAG	GGCTCACCCC	TCCACACGGC	GGTATTTTGG	3060
GGTGGAGCCC	TCAGGCTCAG	GGCATATTGA	CCACAGTGTC	AACAATTCCT	CCTCCTGCCT	3120
CCACCAATCG	GCAGTCAGGA	AGGCAGCCTA	CTCCCATCTC	TCCACCTCTA	AGAGACAGTC	3180
ATCCTCAGGC	CATGCAGTGG	. •			ni.	3200

(2) INFORMATION FOR SEQ ID NO: 281:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3221 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 281:

AATTCCACTG	CCTTCCACCA	AGCTCTGCAA	GACCCCAGAG	TCAGGGGTCT	GTATTTTCCT	60
GCTGGTGGCT	CCAGTTCAGG	AACAGTAAAC	CCTGCTCCGA	ATATTGCCTC	TCACATCTCG	120
TCAATCTCCG	CGAGGACCGG	GGACCCTGTG	ACGAACATGG	AGAACATCAC	ATCAGGATTC	180

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•					CCTCACAATA	240
CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGATC	ACCCGTGTGT	300
CTTGGCCAAA	ATTCGCGATC	CCCAACCTCC	AATCACTCAC	CAACCTCCTG	TCCTCCAATT	360
TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCETCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTATT	GGTTCTTCTG	GATTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTAATTCTAG	GATCAACAAC	AACCAGTACG	GGACCATGCA	AAACCTGCAC	GACTCCTGCT	540
CAAGGCAACT	CTATGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGATGG	AAATTGCACC	600
TGTATTCCCA	TCCCATCGTC	TTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGCTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAGCATC	780
GTGAGTTCCT	TTATACCGCT	GTTACCAATT	TTCTTTTGTC	TCTGGGTATA	CATTTAAACC	840
СТААСААААС	AAAAAGATGG	GGTTATTCCC	TAAACTTCAT	GGGTTATGTA	ATTGGAAGTT	900
GGGGAACATT	GCCACAGGAT	CATATTGTAC	AAAAAATCAA	ACACTGTTTT	AGAAAACTTC	960
CTGTTAAC.4G	GCCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCTCCTTT	TACACAATGT	GGATATCCTG	CCTTAATGCC	CTTGTATGCA	TGTATACAAG	1080
CTAAACAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTAAGTAAA	CAGTACATGA	1140
ACCTTTACCC	CGTTGCTCGG	CAACGGCCTG	GTCTGTGCCA	AGTATTTGCT	GATGCAACCC	1200
CCACTGGCTG	GGGCTTGGCC	ATAGGCCATC	AGCGCATGCG	CGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCGA	1320
	AACTGACAAT TGCTGCCAAC			*1	•	1380 1440
CGCTGAATCC	CGCGGACGAC	CCCTCTCGGG	GCCGCTTGGG	ACTCTCTCGT	CCCCTTCTCC	1500
	CCAGCCGACC	*	·			1560
	GCCGGTCCGT	•			•	1620
	CATCAGATCC					1680
	ACCGACCTTG		•			1740
	GÁGATTAGGT					1800
				•	* * *	1860
	GCACCATGCA			•		•
	CCTCCAAGCT				•	1920
	GAGCTACTGT					1980
	TCCTAGACAC	;				2040
	CTCACCATAC					2100
	CCTGGGTGGG					2160
AATTATGTTA	ATACTAACAT	GGGATTAAAG	ATCAGGCAAC	TCTTGTGGTT	TCATATCTCT	2220

TGCCTTACTT	TTGGAAGAGA	AACTGTACTT	GAATATTTGG	TCTCTTTCGG	AGTGTGGATT	2280
CGCACTCCTC	CAGCCTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGGGA	CCGAGGCAGG	TCCCCTAGAA	GAAGAACTCC	CTCGCCTCGC	2400
AGACGCAGAT	CTCAATCGCC	GCGTCGCAGA	AGATCTCAAT	CTCGGGAATC	TCAATGTTAG	2460
TATTCCTTGG	ACTCATAAGG	TGGGAAACTT	CACTGGGCTT	TATTCCTCTA	CAGCACCTAT	2520
CTTTAATCCT	GAATGGCAAA	CTCCTTCCTT	TCCTAAAATT	CATTTACAAG	AGGACATTAT	2580
TAATAGGTGT	CAACAATTTG	TGGGCCCTCT	CACTGTAAAT	GAAAAGAGAA	GATTGAAATT	2640
AATTATGCCT	GCTAGATTCT	ATCCTACCGA	CACTAAATAT	TTGCCCTTAG	ACAAAGGAAT	2700
 TAAACCTTAT	TATCCAGATC	AGGTAGTTAA	TCATTACTTC	CAAACCAGAC	ATTATTTACA	2760
TACTCTTTGG	AAGGCGGGTA	TTCTATATAA	GAGAGAAACC	ACACGTAGCG	CATCATTTTG	2820
CGGGTCACCA	TATTCTTGGG	AAÇAAGAGCT	ACAGCATGGG	AGGTTGGTCA	TCAAAACCTC	2880
GCAAAGGCAT	GGGGACGAAT	CTTTCTGTTC	CCAACCCTCT	GGGATTCTTT	CCCGATCATC	2940
AGTTGGACCC	TGTATTCGGA	GCCAACTCAA	ACAATCCAGA	TTGGGACTTC	AACCCCATCA	3000
AGGACCACTG	GCCAGCAGCC	AACCAGGTAG	GAGTGGGAGC	ATTCGGGCCA	GGGTTCACCC	3060
CTCCACACGG	CGGTGTTTTG	GGGTGGAGCC	CTCAGGCTCA	GGGCATGTTG	ACCCCAGTGT	3120
CAACAATTCC	TCCTCCTGCC	TCCGCCAATC	GGCAGTCAGG	AAGGCAGCCT	ACTCCCATCT	3180
CTCCACCTCT	AAGAGACAGT	CATCCTCAGG	CCATGCAGTG	G		3221

(2) INFORMATION FOR SEQ ID NO: 282:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3221 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 282:

60	GTATCTTCCT	TCAGGGGTCT	GATCCCAGAG	AGCTCTGCAG	CCTTCCACCA	AATTCCACTG
120	TCACATCTCG	ATATTGCCTC	CCTGCTCCGA	AACAGTAAAC	CCAGTTCAGG	GCTGGTGGCT
180	ATCAGGATTC	AGAACATCAC	ACGAACATGG	GGACCCTGTG	CGAGGACTGG	TCAATCTCCG
240	CCTCACAATA	TGACAAGAAT	TTTTCCTTGT	ACAGGCGGGG	TGCTCGTGTT	CTAGGACCCC
300	ACCCGTGTGC	TAGGGGGGTC	CTCAATTTTC	GTGGACTTCT	TAGACTCGTG	CCGCAGAGTC
360	TCCTCCAATT	CAACCTCCTG	AATCACTCAC	CCCAACCTCC	ATTCGCAGTC	CTTGGCCAAA

* 1	i)	*	* (0)	***				
	* ·				+ **			
	TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420	
	CTATGCCTCA	TCTTCTTATT	GGTTCTTCTG	GATTATCAAG	GTATGTTGCC	CGTTTGTCCT	480	
	ATAATTCCAG	GATCAACAAC	AACCAGTACG	GGACCATGCA	AAACCTGCAC	GACTCCTGCT	. 540	* 2
	CAAGGCAACT	CTTTGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGATGG	AAATTGCACC	600	
	TGTATTCCCA	TCCCATCGTC	CTGGGCTTTC	GCAAAATACC	TATGGGAGCG	GGCCTCAGTC	660	
	CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720	
	ACTGTTTGGC	TTTTAGCTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAGCATC	780	
	GTGAGGCCCT	TTATACCGCT	GTTACCAATT	TTCTTTTGTC	TCTGGGTATA	CATTTAAACÇ	840	
	СТААСААААС	AAAAAGATGG	GGTTATTCCC	TAAACTTCAT	GGGTTACAGA	ATTGGAAGTT	900	· •
	GGGGAACATT	GCCACAGGAT	CACATTGTAC	AAAAGATCAA	ACACTGTTTT	AGAAAACTTC	960	
	CTGTTAACAG	GCCTATTGAT	TGGAAGGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020	
		TACACAATGT TTTCTCTTTC					1080 1140	
) H	ACCTTTACCC	CGTTGCTCGG	CAACGGCCTG	GTÇŢGTGCCA	AGTGTTTGCT	GACGCAACCC	1200	·
	CCACTGGCTG	GGGCTTAGCC	ATAGGCCATC	AGCGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260	
	TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCAA	1320	
	AGCTCATCGG	AACTGACAAT	TCTGTCGTCC	TCTCGCGGAA	ATATACATCG	TTTCCATGGC	1380	
	TGCTAGGCTG	TGCTGCCAAC	TGGATCCTTC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440	
	CGCTGAATCC	CGCGGACGAC	CCCTCTCGGG	GCCGCTTGGG	ACTCTATCGT	CCCCTTCTCC	1500	•
· .	GTCTGCCGTT	CCAGCCGACC.	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560	
	CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTTGCA	TGGAGACCAC	1620	•••
	CGTGAACGCC	CATCAGAGCC	TGCCCAAGGT	CTTACATAAG	AGAACTCTTG	GACTCCCAGC	1680	
	AATGTCAACG	ACCGACCTTG	AGGCCTACTT	CAAAGACTGT	GTGTTTAAGG	ACTGGGAGGA	1740	·()
	GCTGGGGGAG	GAGATTAGGT	TAATGATCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800	
	CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCTC	1860	
. 100	ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGAG	GCATGGACAT	TGACCCTTAT	1920	
	AAAGAATTTG	GAGCTAGTGT	GGAGTTACTC	TCGTTTTTGC	CTCATGACTT	CTTTCCTTCC	1980	•
	GTCAGAGATC	TCCTAGACAC	CGCCTCAGCT	CTGTATCGAG	AAGCCTTAGA	GTCTCCTGAG	2040	
	CATTGCTCAC	CTCACCATAC	TGCACTCAGG	CAAGCCGTTC	TCTGCTGGGG	GGAATTAATG	2100	
	ACTCTAGCTA	CCTGGGTGGG	TAATAATTTG	CAAGATCCAG	CATCCAGGGA	TCAAGTAGTC,	2160	
,	AATTATGTTA	ATACTAACAT	GGGTTTAAAG	ATCAGGCAAC	TATTGTGGTT	TCATATATCT	2220	
	TGTCTTATGT	TTGGAAGAGA	CACTGTACTT	GAATATTTGG	TCTCTTTCGG	AGTGTGGATT	2280	
	CGCACTCCTC	CAGCCTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340	
	ACTGTTGTTA	GATGTCGGGA	CCGACGCAGG	TCCCCTAGAA	GAAGAACTCC	CTCGCCTCGC	2400	
				*	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	*

AGACGCAGAT	CTCAATCGCC	GCGTCGCAGA	AGATCTCAAT	CTCGGGAATC	TCAATGTTAG	2460
TATTCCTTGG	ACTCATAAGG	TGGGAAACTT	TACTGGGCTT	TATTCCTCTA	CAGTACCTAT	2520
CTTTAATCCT	GAATGGCAAA	CTCCTTCCTT	TCCTAAGATT	CATTTACAAG	AGGACATTAT	2580
TAATAGGTGT	CAACAATTTG	TGGGCCCTCT	TACTGTAAAT	GAAAAGAGAA	GATTGAAATT	2640
AATTATGCCT	GCTAGATTCT	ATCCTACCCA	CACAAAATAT	TTGCCCTTAG	ACAAAGGAAT	2700
TAAACCTTAT	TATCCAGATC	AGGTAGTTAA	TCATTACTTC	CAAACCAGAC	ACTATTTACA	2760
TACTCTTTGG	AAGGCTGGTA	TTCTATATAA	GAGGGAACCC	ACACGTAGCG	CATCATTTTC	2820
CCGGTCACCA	TATTCTTGGG	AACAAGAGCT	ACAGCATGGG	AGGTGGGACA	TCAAAACCTC	2830
GCAAAGGCAT	GGGGACGAAT	CTTTCTGTTC	CCAACCCTCT	GGGATTCTTT	CCCGATCATC	2940
AGTTGGACCC	TGCATTCGGA	GCCAACTCAA	ACAATCCAGA	TTGGGACTTC	AACCCCATCA	3000
AGGACCACTG	GCCAGCAGCC	AACCAGGTGG	GAGTGGGAGC	ATTCGGGCCA	GGGCTCACCC	3060
CTCCACACGG	CGGTATTTTG	GGGTGGAGCC	CTCAGGCTCA	AGGCATATTG	ACCACAGTGT	3120
CAACAATTCC	TCCTCCTGCC	TCCACCAATC	GGCAGTCAGG	AAGGCAGCCT	ACTCCCATCT	3180
CTCCACCTCT	GAGAGAAAGT	CATCCTCAGG	CCATGCAGTG	G .		3221

(2) INFORMATION FOR SEQ ID NO: 283:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3221 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

(xi) Si	EQUENCE DESC	CRIPTION: SE	EQ ID NO: 28	33:	• 🛬	<u>.</u>
AATTCCACAG	CTTTCCACCA	AGCTCTGCAA	GATCCCAGAG	TCAGGGGCCT	GTATTTTCCT	60
GCTGGTGGCT	CCAGTTCAGG	AACACTCAAC	CCTGTTCCAA	CTATTGCCTC	TCACATCTCG	120
TCAATCTCCT	CGAGGATTGG	GGACCCTGCA	CCGAACATGG	AGAACATCAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCGTGTGT	300
CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCCTG	TCCTCCAATT	360
TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTATT	GGTTCTTCTG	GATTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTAATTCCAG	GATCAACAAC	AACCAGCACG	GGACCCTGCA	AAACCTGCAC	GACTCCTGCT	540

	CAAGGCAACT	CTATGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGATGG	AAATTGCACC	600
	TGTATTCCCA	TCCCATCATC	TTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC	660
	CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
		TTTCAGCTAT TTATACCGCT					780 840
	CTAACAAAAC	AAAGAGATGG	GGTTATTCCC	TGAATTTCAT	GGGTTATGTA	ATTGGAAGTT	900
	GGGGTACATT	GCCACAGGAT	CATATTGTAC	AAAAAATCAA	ACACTGTTTT	AGAAAACTTC	960
	CTGTTAATCG	ACCTATTGAT	TGGAAAGTAT	GTCAGAGACT	TGTAGGTCTT	TTAGGCTTTG	1020
	CCGCTCCATT	TACACAATGT	GGTTACCCTG	CATTAATGCC	TTTGTATGCA	TGTATACAAG	1080
	CGAAACAGGC	TTTTACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTAAGTAAA	CAGTATATGA	1140
	ACCTTTACCC	CGTTGCCCGG	CAACGGCCTG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
	CCACTGGCTG	GGGCTTGGCC	ATCGGCCATC	AGCGCATGCG	TGAAACCTTT	GTGGCTCCTC	1260
	TGCCGATCCA	TACTGCAGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCAA	1320
	AACTCATCGG	GACTGACAAT	TCTGTCGTCC	TTTCTCAGAA	ATATACATCC	TTTCCATAGC	1380
	TGCTAGGTTG	TACTGCCAAC	TAGATTCTTC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440
	CGCTGAATCC	CGCGGACGAC	CCCTCGCGAG	GCCGCTTGGG	ACTGTATCGT	CCCCTTCTCC	1500
	GTCTGCCGTA	CCGTCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560
	CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTTGCA	TGGAGACCAC	1620
. ·	CGTGAACGCC	CATCAGGTCC	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCAGC	1680
	AATGTCAACG	ACCGACCTTG	AGGCCTACTT	CAAAGACTGT	GTGTTTAAAG	ACTGGGAGGA	1740
	GTTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
	CTGCGCACCA	TTATCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TACATGTCCC	1860
	ACTTTTCAAG	CCTCCAAGCT	GTGCCTTGGA	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
	AAAGAATTTG	AGCTACTGTG	GAGTTACTCT	CATTTTTGCC	TTCTGACTTC	TTTCCTTCCG	1980
	TCCGGGATCT	ACTAGAATAC	AGCCTCAGCT	CTATATCGGG	AAGCCTTAGA	GTCTCCTGAG	2040
	CATTGCTCAC	CTCACCATAC	AGCACTCAGG	CAAGCCATTC	TCTGCTGGGG	GAAATTAATG	2100
	ACTCTAGCTA	CCTGGGTGGG	TAATAATTTG	GAAGATCCAG	CATCCAGGGA	TCTAGTAGTC	2160
	AATTATGTTA	ATACTAACAT	GGGCCTAAAG	ATCAGGCAAT	TATTGTGGTŢ	TCATATTTCT	2220
	TGCCTTACTT	TTGGAAGAGA	AACTGTCCTT	GAGTATTTGG	TCTCTTTCGG	AGTGTGGATT	2280
	CGCACTCCTC	CAGCCTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
	ACTGTTGTTA	GACGACGAGA	CCGAGGCAGG	TCCCCTAGAA	GAAGAACTCC	CTCGCCTCGC.	2400
	AGACGCAGAT	CTCAATCGCC	GCGTCGCAGA	AGATCTCAAT	CTCGGGAATC	TCAATGTŢAG	2460
	TATTCCTTGG	ACTCATAAGG	TGGGAAATTT	TACTGGGCTT	TATTCTTCTA	CTGTCCCTAT	2520
	CTTTAATCCT	GAATGGCAAA	CACCTTCTTT	TCCTAAAATT	CATTTACATG	AAGACATTGC	2580
	*				χ.	•	

TAATAGGTGT	CAGCAATTTG	TAGGCCCTCT	CACTGTAAAT	GAAAAAAGAA	GACTGAAATT	2640
AATTATGCCT	GCTAGGTTTT	ATCCTAACAG	CACAAAATAT	TTGCCCTTAG	ACAAAGGGAT	2700
TAAAACTTAT	TATCCTGATC	ATGTAGTTAA	TCATTACTTT	CAAACCCGAC	ATTATTTACA	2760
TACTCTTTGG	AAGGCTGGGA	TTCTATATAA	GAGGGAAACT	ACACGTAGCG	CCTCATTTTG	2820
CGGGTCACCA	TATTCTTGGG	AACAAGAGCT	ACATCATGGG	AGGTTGGTCA	TCAAAACCTC	2880
GCAAAGGCAT	GGGGACGAAC	CTTTCTGTTC	CCAACCCTCT	GGGAŢTCTTT	CCCGATCATC	2940
AGTTGGACCC	TGCATTCGGA	GCCAATTCAA	ACAATCCAGA	TTGGGACTTC	AACCCCATCA	· 3000
AGGACCACTG	GCCACAAGCC	AACCAGGTAG	GAGTGGGAGC	ATTTGGGCCA	GGGTTCACTC	30,60
CCCCACACGG	AGGŢGŢTŢŢĞ	GGGTGGAGCC	CTCAGGCTCA	GGGCATATTG	GCCACCGTGC	3120
CAGCGATGCC	TCCTCCTGCC	TCCACCAATC	GGCAGTCAGG	AAGGCAGCCT	ACTCCCATCT	3180
CTCCACCTCT	AAGAGACAGT	CATCCTCAGG	CCATGCAGTG	G .		3221

(2) INFORMATION FOR SEQ ID NO: 284:

- (i) SEQUENCE CHARACTERISTICS: -
 - (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:284:

AACTCCACCA	CGTTCCACCA	AACTCTTCAÁ	GATCCCAGAG	TCAGGGCTCT	GTACTTTCCT	_ 60
GCTGGTGGCT	CCAGTTCAGG	AACAGTAAAC	CCTGTTCAGA	ACACTGCCTC	TTCCATATCG	120
TCAATCTTAT	CGACGACTGG	GGACCCTGTG	CCGAACATGG	AGAACATCGC	ATCAGGACTC	<u> </u>
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTCGT	TGAGAAAAAT	CCTCACAATA	240
CCTCTGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGAAAC	ACCCGTGTGT	300
CTTGGCCAAA	ATTCGCAGTC	CCAAATCTCC	AGTCACTCAC	CAACTTGTTG	TCCTCCGATT	360
TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTG	CATCCTGCTG	420
		GGTTCTTCTG CACCAGCACA				480 540
CAAGGAACCT	CTATGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGACGG	AAACTGCACC	600
TGTATTCCCA	TCCCATCATC	TTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTCTGGC	TTTCAGTTAT	ATGGATGATG	TGGTTTTGGG	GGCCAAGTCT	GTACAACATC	780

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		TTGAGTCCCT	TTATGCCGCT	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	840	
,		CTCAGAAAAC	AAAAAGATGG	GGCTACTCCC	TTAACTTCAT	GGGGTATGTA	ATTGGAAGTŢ	900	
		GGGGGACCTT	ACCCCAAGAA	CATATTGTGT	TGAAAATCAA	ACAATGTTTT	AGGAAACTTC	960	
		CTGTAAACAG	GCCTATTGAT	TGGAAAGTAT	GTCAAÇGÄAT	TGTGGGTCTT	TTGGGATTTG	1020	
		CTGCTCCTTT	CACACAATGT	GGATATCCTG	CTTTAATGCC	TTTATATGCA	TGTATACAAG	1080	
		CTAAACAGGC	TTTTACTTTT	TCGCCAACGT	ATAAGGCCTT	ТСТАААСААА	CAATATCTGA	1140	* *
		ACCTTTACCC	CGTTGCTCGG	CAACGGCCAG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200	
		CCACTGGCTG	GGGCTTGGCC	ATAGGCCATC	AGCGCATGCG	TGGGACCTTT	GTGTCTCCTC	1260	
		TGCCGATCCA	TACTGTGGAA	CTCCTAGCAG	CTTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320	
	. •	AACTTATCGG	GACTGACAAT	TCTGTCGTCC	TTTCCCGCAA	ATATACATCG	TTTCCATGGC	1380	
		TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440	
		CGCTGAATCC	CGCGGACGAC	CCCTCCCGGG	GCCGCTTGGG	GCTCTACCGC	CCGCTTCTCC	1500	
		GCCTGCCGTA	CCGTCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTGC	1560	
		CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620	
		CGTGAACGCC	CATCGGAACC	TGCCCAAGGT	CTTGCATAAG	AGGACTCTTG	GACTTTCAGC	1680	* * * * * * * * * * * * * * * * * * * *
		AATGTCAACG	ACCGACCTTG	AGGCACACTT	CAAAGACTGT.	GTGTTTACTG	AGTGGGÄGGA	1740	*
		GTTGGGGGAG	GAGATCAGGT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800	
		CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCATG	TTCATGTCCT	1860	* .
		ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCGTAT	1920	
		AAAGAAŢTTĠ	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCTTCT	1980	
		ATTCGAGATC	TTCTCGACAC	CGCCTCTGCT	CTGTATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040	··
		CATTGTTCAC	CTCACCATAC	GGCACTCAGG	CAAGCTATTC	TGTGTTGGGG	TGAGTTGATG	2100	
		AATCTAGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CCTCCCGGGA	ATTAGTAGTC	2160	• .
		AGTTATGTCA	ATGTTAATAT	GGGCCTAAAA	ATCAGACAAC	TATTGTGGTT	TCACATTTCC	2220	
	:	TGTCTTACGT	TTGGAAGAGA	AACTGTTCTT	GAATATTTGG	TGTCTTTTGG	AGTGTGGATT	2280	8 0)0
		CGCACACCTC	CAGCATATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340	
		ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400	, .
		AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460	
		TTGGACTCAT	AAGGTGGGAA	ACTTTACGGG	GCTTTATTCT	TCTACGGTAC	CTAGCTTTAA	2520	÷. `
		TCCTCAATGG	CAAACTCCTT	CATTTCCTGA	CATTCATTTG	CAGGAGGACA	TCATTAATAA	2580	
	~	GTGTAAACAA	TTTGTGGĢAC	CCCTTACAGT	GAATGAAAAA	AGGAĞĀCTAA	AATTGATTAT	2640	-30-
*.		GCCTGCTAGG	TTCTATCCCA	ATGTTACTAA	ATATTTGCCC	TTAGATAAAG	GAATTAAACC	2700	
. 8		TTATTATCCA	GAGCATGŢAG	TTAATCATTA	CTTCCAGACG	AGACATTATT	TACATACTCT	2760	*
	*	< 100	4 ,			* .			Ş-
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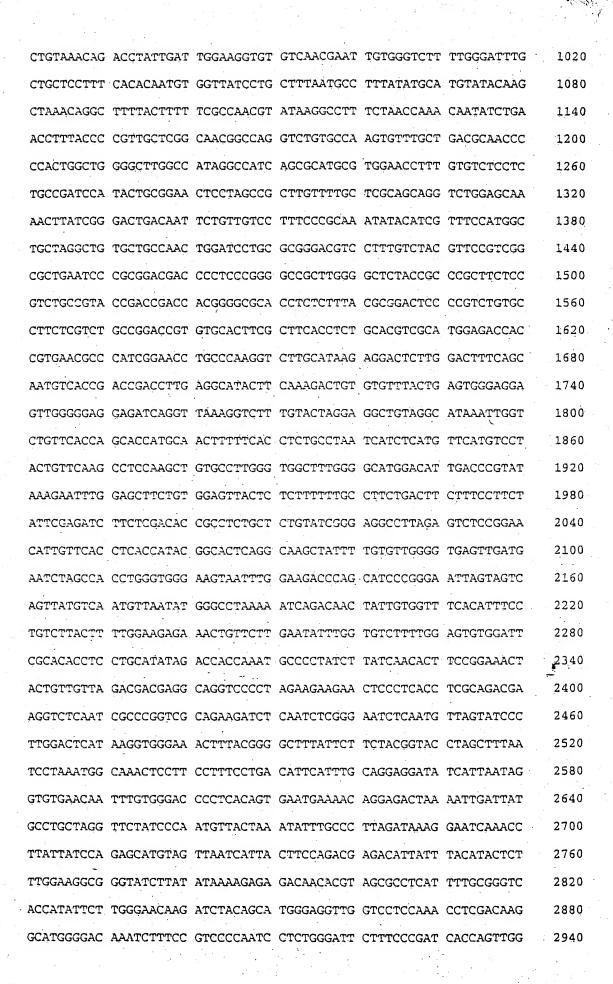
TTGGAAGGCG	GGTATCTTAT	ATAAAAGAGA	GACAACACGT	AGCGCCTCAT	TTTGCGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCCTCCAAA	CCTCGACAAG	2880
GCATGGGGAC	AAATCTTTCC	GTCCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
ACCCTGCATT	CAAAGCCAAC	TCCGACAATC	CCGATTGGGA	CCTCAACCCA	CACAAGGACA	3000
ACTGGCCGGA	CTCCAACAAG	GTGGGAGTGG	GAGCATTCGG	GCCGGGATTC	ACTCCACCCC	3060
ATGGGGGACT	GTTGGGGTGG	AGCCCTCAAG	CTCAGGGCAT	ACTCACAACT	GTGCCAACAG	- 3120
CTCCTCCTCC	TGCCTCCACC	AATCGGCAGT	TAGGAAGGAA	GCCTACTCCC	CTGTCTCCAC	3180
CTCTAAGAGA	CACTCATCCT	CAGGCAATGC	AGTGG			3215

(2) INFORMATION FOR SEQ ID NO: 285:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MCLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 285:

		·				4 4	
AA	CTCCACCA	CGTTCCACCA	AACTCTTCAA	GATCCCAGAG	TCAGGGCTCT	GTACTTTCCT	60
GC:	rggtggct	CCAGTTCAGG	AACAGTAAAC	CCTGTTCAGA	ACACTGTCTC	TTCCATATCG	120
		CGAAGACTGG TGCTCGTGTT					180 240
CC	ACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAAC	ACCCGTGTGT	300
CTT	TGGCCAAA	ATTCGCAGTC	CCAAATCTCC	AGTCACTCAC	CAACTTGTTG	TCCTCCGATT	360
TG?	CCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTG	CATCCTGCTG	420
CT	ATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CT	ATTCCAG	GATCATCAAC	CACCAGCACC	GGACCATGCA	AAACCTGCAC	GACTCCTGCT	540
CA	AGGAACCT	CTATGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGACGG	AAACTGCACC	600
TGT	TATTCCCA	TCCCATCATC	TTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC	660
CGT	TTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	. 720
ACT	GTCTGGC	TTTCAGTTAT	ATGGATGATG	TGGTTTTGGG	GGCCAAGTCT	GTACAACATC	780
TTC	SAGTCCCT	TTATGCCGCT	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	840
CTC	AGAAAAC	AAAAAGATGG	GGCTACTCCC	TCAACTTCAT	GGGGTATGTA	ATTGGAAGTT	900
ĢGÇ	GCACCTT	ACCCCAAGAA	CATATTGTGT	TGAAACTCAA	ACAATGCTTT	AGAAAACTTC	960



ACCCTGCATT	CAAAGCCAAC	TCCGACAATC	CCGATTGGGA	CCTCAACCCA	CACAAGGACA	3	30,00
ACTGGCCGGA	CTCCAACAAG	GTGGGAGTGG	GAGCATTCGG	GCCGGGATTC	ACTCCACCCC	3	3060
ATGGGGGACT	GTTGGGGTGG	AGCCCTCAAG	CTCAGGGCAT	ACTCACAACT	GTGCCAACAG	3	3120
стсстсстсс	TGCCTCCACC	AATCGGCAGT	TAGGAAGGAA	GCCTACTCCC	CTGTCTCCAC	3	3180
CTCTAAGAGA	CACTCATCCT	CAGGCCATGC	AGTGG ,			3	3215
			`-				

(2) INFORMATION FOR SEQ ID NO: 286:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 286:

60	GTACTTTCCT	TCAGGGCTCT	GATCCCAGAG	AACTCTTCAA	CTTTCCACCA	AACTCCACCA
120	AGCCATATCG	ATACTGTCTC	CCTGCTCAGA	AACAGTAAGC	CCAGTTCAGG	GCTGGTGGCT
180	ATCAGGACTC	AGAACATCGC	CCGAACATGG	GGACCCTGTG	CGAAGACTGG	TCAATCTTAT
240	CCTCACAATA	TGACAAAAAT	TTTTTCTTGT	ACAGGCGGGG	TGCTCGTGTT	CTAGGACCCC
300	ACCCGTGTGT	TAGGGGGAAC	CTCAATTTTC	GTGGACTTCT	TAGACTCGTG	CCACAGAGTC
360	TCCTCCAATT	CAACCTGTTG	AGTCACTCAC	CCAAATCTCC	ATTCGCAGTC	CTTGGCCAAA
420	CATCCTGCTG	TCTTCCTCTG	CGTTTTATCA	GTGTCTGCGG	ATCGCTGGAT	TGTCCTGGTT
480	CGTTTGTCCT	GTATGTTGCC	GACTATCAAG	GGTTCTTCTG	TCTTCTTGTT	CTATGCCTCA
540	AACTCCTGCT	AGACCTGCAC	GGACCATGCA	CACCAGCACG	GATCATCAAC	CTAATTCCAG
600	AAACTGCACC	CTATGGATGG	TGTACAAAAC	CTCATGTTGC	CTATGTTTCC	CAAGGAACCT
660	GGCCTCAGTC	TATGGGAGTG	GCAAAATACC	TTGGĢCTTTC	TCCCATCATC	TGTATTCCCA
720	GCTTTCCCCC	GGTTCGTAGG	TTTGTTCAGT	ACTAGTGCCA	GGCTCAGTTT	CGTTTCTCTT
780	GTACAACATC	GGCCAAGTCT	TGGTATTGGG	ATGGATGATG	TTTCAGTTAT	ACTGTCTGGC
840	CATTTAAACC	TTTGGGTATA	TŢCTTTTGTC	GTTACCAATT	TTATGCCGCT	TTGAGTCCCT
900	ATTGGGAGTT	GGGATATGTA	TTAACTTCAT	GGATATTCCC	AAAAAGATGG	СТААСААААС
960	AGAAAACTTC	ACTATGTTTT	AAAACTTCAA	CATATTGTAC	GCCACAGGAT	GGGGCACATG
1020	TTGGGGTTTG	TGTGGGTCTT	GTCAACGAAT	TGGAAAGTTT	GCCTATTGAT	CTGTAAACAG
1080	TGTATACAAG	TTTATATGCA	CTTTAATGCC	GGATATCCTG	TACGCAATGT	CTGCCCCTTT
1140	CAGTATATGA	TCTCAGTAAA	ACAAGGCCTT	TCGCCAACTT	TTTTACTTTC	CAAAACAGGC

	CCCTTTACCC	CGTTGCTCGG	CAACGGCCTG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
	CCACTGGTTG	GGGCTTGGCC	ATAGGCCATC	AGCGCATGCG	TGGAACCTTT	GTGTCTCCTC	1260
	TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320
	ACCTCATCGG	GACCGACAAT	TCTGTCGTAC	TCTCCCGCAA	GTATACATCG	TTTCCATGGC	1380
	TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
	CGCTGAATCC	CGCGGACGAC	CCCTCCCGGG	GCCGCTTGGG	GCTCTACCGC	CCGCTTCTCC	1500
	GTCTGCCGTA	CCGTCCGACC	ACGGGGCGCA	CCŢCŢCTTTA	CGCGGACTCC	CCGTCTGTGC	1560
	CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
	CGTGAACGCC	CACCGGAACC	TGCCCAAGGT	CTTGCATAAG	AGGACTCTTG	GACTTTCAGC	1680
	AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	GTGTTTAATG	AGTGGGAGGA	1740
	GCTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTACTCGGA	GGCTGTAGGC	ATAAATTGGT	1800
	CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAG	TCATCTCTTG	TTCATGTCCT	1860
	ACTGTTÇAAG	CCTCCAAGCT.	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCCTAT	1920
	AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCGTCG	1980
	GTGCGGGACC	TCCTAGATAC	CGTCTCTGCT	CTGTATCGGG	AAGCCTTAAA	ATCTCCTGAG	2040.
	CATTGCTCAC	CTCACCACAC	AGCACTCAGG	CAAGCTATTC	TGTGCTGGGG	GGAATTAATG	2100
	ACTCTAGCTA	CCTGGGTGGG	TAATAATTTG	GAAGATCCAG	CATCCCGGGA	TCTAGTAGTC	2160
	AATTATGTTA	ACACTAACAT	GGGCCTAAAG	ATCAGGCAAC	TATGGTGGTT	TCACATTTCC	2220
	TGTCTTACTT	TTGGAAGAGA	AACTGTTCTG	GAATATTTGG	TATCTTTTGG	AGTGTGGATT	2280
	CGCACTCCTC	CTGCCTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
	ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
	AGGTCTCAAT	CACCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCCCAATG	TTAGTATCCC	2460
	TTGGACTCAT	AAGGTGGGAA	ACTTTACGGG	GCŢTTATTCT	TCTACAGTAC	CTGTCTTTAA	2520
,	TCCTGAATGG	CAAACTCCTT	CTTTTCCAGA	CATTCATTTA	CAGGAGGACA	TTGTTGATAG	2580
	ATGTAAGCAA	TTTGTGGGAC	CCCTTACAGT	AAATGAAAAC	AGGAGACTAA	AATTAATAAT	2640
	GCCTGCTAGA	TTTTATCCCA	ATGTTACCAA	ATATTTGCCC	TTAGATAAAG	GTATCAAACC	2700
	TTATTATCCA	GAGCATGTAG	TTAATCATTA	CTTCCÁGACT	AGACATTATT	TGCATACTCT	2760
	TTGGAAGGCG	GGŢĄTCTTAT	ATAAAAGAGA	GTCAACACAT	AGCGCCTCAT	TTTGCGGGTC	2820
	ACCTTATTCT	TGGGAACAAG	ATCTACAGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGAAAAG	2880
	GCATGGGGAC	AAATCTTTCT	GTCCCCAATC	CCCTGGGATT	CTTCCCCGAT	CATCAGTTGG	2940
	ACCCTGCATT	CAAAGCCAAC	TCAGAAAATC	CAGATTGGGA	CCTCAACCCA	CACAAGGACA	3000
	ACTGGCCGGA	CGCCCACAAG	GTGGGAGTGG	GAGCATTCGG	GCCAGGATTC	ACCCCTCCCC	3060
	ATGGGGGACT	GTTGGGGTGG	AGCCCTCAGG	CTCAGGGCAT	ACTCACATCT	GTGCCAGCAG	3120
	-				* *		

CTCCTCCTCC	TGCCTCCACC	AATCGGCAGT	CAGGACGGCA	GCCTACTCCC	CTATCTCCAC	31,80
CTCTAAGGGA	CACTCATCCT	CAGGCCATGC	AGTGG	* * *		3215

(2) INFORMATION FOR SEQ ID NO: 287:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3215 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 287:

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AACTCCACCA	CTTTCCACCA	AACTCTTCAA	GATCCCGGAG	TCAGGGCCCT	GTACTTTCCT		60
GCTGGTGGCT	CCAGTTCAGG	AACAGTGAGC	CCTGCTCAGA	ATACTGTCTC	TGCCATATCG		120
TCAATCTTAT	CGAAGACTGG	GGACCCTGTA	CCGAACATGG	AGAACATCGC	ATCAGGACTC		180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAAAAT	CCTCACAATA		240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAAC	ACCCGTGTGT	,	300
CTTGGCCAAA	ATTCGCAGTC	CCAAATCTCC	AGTCACTCAC	CAACCTGTTG	TCCTCCAATT		360
TGTCCTGGTT	ATCGCTGGAT	GTGTÇTGCGG	CGTTTTATCA	TCTTCCTCTG	CATCCTGCTG		420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT		480
CTAATTCCAG	GATCATCAAC	AACCAGCACC	GGACCATGCA	AAACCTGCAC	AACTCCTGCT		540
CAAGGAACCT	CTATGTTTCC	CTCATGTTGC	TGTACAAAAC	CTACGGATGG	AAACTGCACC		600
TGTATTCCCA	TCCCATCATC	TTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC		660
CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC		<i>†</i> 20
ACTGTCTGGC	TTTCAGTTAT	ATGGATGATA	TGGTTTTGGG	GGCCAAGTCT	GTACAACATC	٠	780
TTGAGTCCCT	TTATGCCGCT	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	٠	840
CTCACAAAAC	AAAAAGATGG	GGATATTCCC	TTAACTTCAT	GGGATATGTA	ATTGGGAGCT		900
GGGGCACATT	GÇCACAGGAA	CATATTGTAC	AAAAAATCAA	AATGTGGTTT	AGGAAACTTC	٠	960
CTGTAAACAG	GCCTATTGAT	TGGAAAGTAT	GTCAACGAAT	TGTGGGTCTT	TTGGGGTTTG	1	020
CCGCCCCTTT	CACGCAATGT	GGATATCCTG	CTTTAATGCC	TTTATATGCA	TGTATACAAG	1	080
CAAAACAGGC	TTTTACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTAACTAAA	CAGTATCTGA	1	140
ACCTTTACCC	CGTTGCTCGG	CAACGGCCAG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1	200
CCACTGGTTG	GGGCTTGGCC	ATAGGCCATC	AGCGCATGCG	TGGAACCTTT	GTGTCTCCTC	1	: 260
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		CTCCTAGCCG TCTGTCGTGC				1320 1380
TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCTTCCCGGG	GCCGCTTGGG	GCTCTACCGC	CCGCTTCTCC	1500
GCCTGTTGTA	CCGACCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGACCGT	GTGCACTTÇG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CACGGGAACC	TGCCCAAGGT	CTTGCATAAG	AGGACTCTTG	GACTTTCAGC	1680
AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	GTGTTTAATG	AGTGGGAGGA	1740
GTTGGGGGAG	GAGGTTAGGT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
GTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCATG	TTCATGTCCT	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCGTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCGTCG	1980
GTGCGAGATC	TCCTCGACAC	CGCCTCTGCT	TTGTATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040
CATTGTTCAC	CTCACCATAC	GGCACTCAGG	CAAGCTATTC	TGTGTTGGGG	TGAGTTAATG	2100
AATCTAGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGATCCGG	CATCCAGGGA	ATTAGTAGTC	2160
AGCTATGTCA	ACGTTAATAT	GGGCCTAAAA	ATCAGACAAC	TATTGTGGTT	TCACATTTCC	2220
TGTCTTACTT	TTGGGAGAGA	AACTGTTCTT	GAATATTTGG	TGTCTTTTGG	AGTGTGGATT	2280
CGCACTCCTC	CTGCATATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGAAGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460
TTGGACACAT	AAGGTGGGAA	ACTTTACGGG	GCTTTATTCT	TCTACGGTAC	CTTGCTTTAA	. 2520
TCCTAAATGG	CAAACTCCTT	CTTTTCCTGA	CATTCATTTG	CAGGAGGACA	TTGTTGATAG	2580
ATGTAAGCAA	TTTGTGGGGC	CCCTTACAGT.	AAATGAAAAC	AGGAGACTAA	AATTAATTAT	2640
GCCCGCTAGG	TTTTATCCCA	ATGTTACTAA	ATATTTGCCC	TTAGATAAAG	GGATCAAACC	2700
GTATTATCCA	GAGTATGTAG	TTAATCATTA	CTTCCAGACG	CGACATTATT	TAÇAÇACTCT	2760
TTGGAAGGCG	GGGATCTTAT	ATAAAAGAGA	GTCCACACGT	AGCGCCTCAT	TTTGCGGGTC	2820
ACCATATTCT	TGGGAACAAG	ATCTACAGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGAAAAG	2880
GCATGGGGAC	AAATCTTTCT	GTCCCCAATC	CTCTGGGATT	CTTCCCCGAT	CATCAGTTGG	2940
ACCCTGCATT	CAAAGCCAAC	TCAGAAAATC	CAGATTGGGA	CCTCAACCCG	AACAAGGACA	3000
ACTGGCCGGA	CGCCAACAAG	GTGGGAGTGG	GAGCATTCGG	GCCAGGGTTC	ACCCCTCCCC	3060
ATGGGGGACT	GTTGGGGTGG	AGCCCTCAGG	CTCAGGGCCT	ACTCACAACT	GTGCCAGCAG	3120
стсстсстсс	TGCCTCCACC	AATCGGCAGT	CAGGAAGGCA	GCCTACTCCC	TTATCCCCAC	3180
CTCTAAGGGA	CACTCATCCT	CAGGCCATGC	AGTGG		**	3215

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3213 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 288:

AACTCCACCA	CATTTCACCA	AGTCCTGCTA	GATCCCAGAG	TGAGGGGCCT	ATATTTTCCT	60
CCTGGTGGCT	CCAGTTCCGG	AACAGTAAAC	CCTGTTGCGA	CTACTGCCTC	ACCCATATCG	120
TCAATCTCCT	CGAGGACTGG	GGACCCTGCA	CCGAACATGG	ĄGAGCACAAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCACGTGT	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GAACATCAAC	CACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCTTGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GCAAGATTCC	TATGGGAGGG	GGCCTCAGTC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	780
TTGAGTCCCT	TTTTACCTCT.	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTGAACC	840
СТААТААААС	CAAACGTTGG	GGCTACTCCC	TTAACTTCAT	GGGATATGTA	ATTGGCAGTT	<u> </u>
GGGGTACTTT	ACCGCAAGAA	CATATTGTAC.	TAAAAATCAA	GCAATGTTTT	CGGAAACTGC	960
	•	TGGAAAGTAT GGCTATCCTG		TGTGGGTCTT TTTATATGCA	TTGGGCTTTG	1020 1080
CIGCCCLILL	TACACAATGT	GGCIAICCIG	CCTTAATGCC	IIIAIAIGCA	IGIAIACAAI	1000
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATATCTGC	1140
ACCTTTACCC	CGTTGCCCGG	CGAACGGCTC	TCTGCCAAGT	ATTTGCTGAC	GCAACCCCCA	1200
CTGGATGGGG	CTTGGCCATA	GGCCATCGGC	GCATGCGTGG	AACCTTTGTG	GCŢCCTCTGC	1260
CGATCCATAC	TGCGGAACTC	CTAGCAGCTT	GTTTTGCTCG	CAGCCGGTCT	GGAGCGAAAC	1320
TCATCGGGAC	TGACAACTCG	GTTGTTCTCT	CTCGGAAATA	CACCTCATTC	CCATGGCTGC	1380
TCGGGTGTGC	TGCCAACTGG	ATCCTGCGCG	GGACGTACTT	TGTTTACGTC	CCGTCGGCGC	1440
TGAATCCCGC	GGACGACCCG	TCTCGCGGCC	GTTTGGGCCT	CATCCGTCCC	CTTCTTCATC	1500

TGCGGTTCCG	GCCGACCACG	GGGCGCACCT	CTCTTTACGC	GGTCTCCCCG	TCTGTGCCTT	1560
CTCATCTGCC	GGACCGTGTG	CACTTCGCTT	CACCTCTGCA	CGTCGCATGG	AGACCACCGT	1620
GAACGCCGAT	CAGGTCTTGC	CCAAGGTCTT	ACATAAGAGG	ACTCTTGGAC	TCTCAGCAAT	1680
GTCAACGTCC	GACCTTGAGG	CATACTTCAA	AGACTGCTTG	TTŢAAAGACT	GGGAGGACTT	1740
GGGGGAGGAG	ATTAGGTTAA	TGATCTTTGT	ACTAGGAGGC	TGTAGGCATA	AATTGGTCTG	1800
TTCACÇAGCA	CCATGCAACT	TTTTTCACCT	CTGCCTAATC	ATCTCATGTT	CATGTCCTAC	1860
TGTTCACGCC	TCCAAGCTGT	GCCTTGGGTG	GCTTTGGGGC	ATGGACATTG	ACCCGTATAA	1920
AGAATTTGGA	GCTTCTGTGG	AGTTACTCTC	TTTTTTGCCT	TCTGATTTCT	TTCCTTCCAT	1980
TCGAGATCTC	CTCGACACCG	CCTCTGCTCT	GTATAGGGAG	GCCTTAGAGT	CTCCGGAACA	2040
TTGTTCACCT	CATCATACAG	CACTCAGGCA	AGCTATTCTG	TGTTGGGGTG	AGTTGATGAA	2100
TCTGGCCACC	TGGGTGGGAA	GTAATTTGGA	AGACCCAGCA	TCCAGGGAAC	TAGTAGTCAG	2160
CTATGTCAAT	GTTAATATGG	GCCTAAAAAT	CAGACAACTA	TTGTGGTTTC	ACATTTCCTG	2220
CCTTACTTTT	GGAAGAGAAA	CTGTTTTGGA	GTATTTGGTA	TCTTTTGGAG	TGTGGATTCG	2280
CACTCCTCCC	GCTTACAGAC	CACCAAATGC	CCCTATCTTA	TCAACACTTC	CGGAAACTAC	2340
TGTTGTTAGA	CGACGAGGCA	GGTCCCCTAG	AAGAAGAACT	CCCTCGCCTC	GCAGACGAAG	2400
ATCTGAATCG	CCGCGTCGCA	GAAGATCTCA-	ATCTCGGGAA	TCTCAATGTT	AGTATCCCTT	2460
GGACTCATAA	GGTGGGAAAC	TTTACTGGGC	TTTATTCTTC	TACTGTACCT	GTCTTTAATC	2520
CTGAGTGGCA	AACTCCCTCC	TTTCCTCACA	TTCATTTACA	GGAGGACATT	ATTAATAGAT	2580
GTCAACAATA	TGTGGGCCCT.	CTTACAGTTA	ATGAAAAAAG	GAGATTAAAA	TTAATTATGC	2640
CTGCTAGGTT	TTATCCTAAA	CTTACCAAAT	ATTTGCCCTT	GGATAAAGGC	ATTAAACCTT	2700
ATTATCCTGA	ACATGCAGTT	AATCATTACT	TCAAAACTAG	GCATTATTTA	CATACTCTGT	2760
GGAAGGCGGG	CATTCTATAT	AAGAGAGAAA	CTACACGCAG	CGCCTCATTT	TGTGGGTCAC	2820
CATATTCTTG	GGAACAAGAG	CTACAGCATG	GGAGGTTGGT	CTTCCAAACC	TCGACAAGGC	2880
ATGGGGACGA	ATCTTTCTGT	TCCCAATCCT	CTGGGATTCT	TTCCCGATCA	CCAGTTGGAC	2940
CCTGCGTTCG	GAGCCAACTC	AAACAATCCA	GATTGGGACT	TCAACCCCAA	CAAGGATCGT	3000
TGGCCAGAGG	CAAATCAGGT	AGGAGCGGGA	GCATTCGGGC	CAGGGTACCC	CCCACCACAC	. 3060
GGCGGTCTTT	TGGGGTGGAG	CCCTCAGGCT	CAGGGCATAT	TGACAACCGŤ	GCCAGCAGCA	3120
CCTCCTCCTG	CCTCCACCAA	TCGGCAGTCA	GGAAGACAGC	CTACTCCCAT	CTCTCCACCT	3180
CTAAGAGACA	GTCATCCTCA	GGCCATGCAG	TGG			3213
		1				

(2) INFORMATION FOR SEQ ID NO: 289:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3213 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 289:

		~		~			
	AACTCCACCA	CATTTCACCA	AGTCCTGCTA	GATCCCAGAG	TGAGGGGCCT	ATATTTTCCT	60
	CCTGGTGGCT	CCAGTTCCGG	AACAGTAAAC	CCTGTTCCGA	CTACTGCCTC	ACCCATATCG	120
	TCAATCTCCT	CGAGGACTGG	GGACCCTGCA	CCGAACATGG	AGAGCACAAC	ATCAGGATTC	180
	CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
	CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCACGTGT	300
	CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
	TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
	CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
	CTACTTCCAG	GAACATCAAC	CACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	540
	CAAGGAACCT	CTATĞTTTCC	CTCTTGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600
	TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GCAAGATTCC	TATGGGAGGG	GGCCTCAGTC	660
			ACTAGTGCCA ATGGATGATG				720 780
	TTGAGTCCCT	TTTTACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTGAACC	840
	CTAATAAAAC	CAAACGTTGG	GGCTACTCCC	TTAACTTCAT	GGGATATGTA	ATTGGCAGTT	900
	GGGGTACTTT	ACCGCAAGAA	CATATTGTAC	TAAAAATCAA	GCAATGTTTT	CGGAAACTGC	960
:	CTGTAAATAG	ACCTATTGAC	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
	CTGCCCCTTT	TACACAATGT	GGCTATCCTG	CCTTAATGCC	TTTATATGCA	TGTATACAAT	1080
	CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATATCTGC	1140
	ACCTTTACCC	CGTTGCCCGG	CGAACGGCTC	TCTGCCAAGT	ATTTGCTGAC	GCAACCCCCA	1200
	CTGGATGGGĞ	ÇTTGGCCATA	GGCCATCGGC	GCATGCGTGG	AACCTTTGTG	GCTCCTCTGC	1260
	CGATCCATAC	TGCGGAACTC	CTAGCAGCTT	GTTTTGCTCG	CAGCCGGTCT	GGAGCGAAAC	1320
	TCATCGGGAC	TGACAACTCG	GTTGTTCTCT	CTCGGAAATA	CACCTCATTC	CCATGGCTGC	1380
	TCGGGTGTGC	TGCCAACTGG	ATCCTGCGCG	GGACGTACTT	TGTTTACGTC	CCGTCGGCGC	/ 1440
	TGAATCCCGC	GGACGACCCG	TCTCGCGGCC	GTTTGGGCCT	CATCCGTCCC	CTTCTTCATC	1500
	TGCGGTTCCG	GCCGACCACG	GGGCGCACCT	CTCTTTACGC	GGTCTCCCCG	TCTGTGCCTT	1560
	CTCATCTGCC	GGACCGTGTG	CACTTCGCTT	CACCTCTGCA	CGTCGCATGG	AGACCACCGT	1620
	GAACGCCGAT	CAGGTCTTGC	CCAAGGTCTT	ACATAAGAGG	ACTCTTGGAC	TCTCAGCAAT	1680

GTCAACGTCC	GACCTTGAGG	CATACTTCAA	AGACTGCTTG	TTTAAAGACT	GGGAGGACTT		1740
GGGGGAGGAG	ATTAGGTTAA	TGATCTTTGT	ACTAGGAGGC	TGTAGGCATA	AATTGGTCTG		1800
TTCACCAGÇA	CCATGCAACT	TTTTTCACCT	CTGCCTAATC	ATCTCATGTT	CATGTCCTAC		1860
TGTTCACGCC	TCCAAGCTGT	GCĊTTGGGTG	GCTTTGGGGC	ATGGACATŢG	ACCCGTATAA		1920
agaatttgga	GCTTCTGTGG	AGTTACTCTC	TTTTTTGCCT	TCTGATTTCT	TTCCTTCCAT		1980
TCGAGATCTC	CTCGACACCG	CCTCTGCTCT	GTATAGGGAG	GCCTTAGAGT	CTCCGGAACA		2040
TTGTTCACCT	CATCATACAG	CACTCAGGCA	AGCTATTCTG	TGTTGGGGTG	AGTTGATGAA		2100
TCTGGCCACC	TGGGTGGGAA	GTAATTTGGA	AGACCCAGCA	TCCAGGGAAC	TAGTAGTCAG		2160
CTATGTCAAT	GTTAATATGG	GCCTAAAAAT	CAGACAACTA	TTGTGGTTTC	ACATTTCCTG		2220
CCTTACTTTT	GGAAGAGAAA	CTGTTTTGGA	GTATTTGGTA	TCTTTTGGAG	TGTGGATTCG		2,280
CACTCCTCCC	GCTTACAGAC	CACCAAATGC	CCCTATCTTA	TCAACACTTC	CGGAAACTAC		2340
TGTTGTTAGA	CGACGAGGCA	GGTCCCCTAG	AAGAAGAACT	CCCTCGCCTC	GCAGACGAAG		2400
ATCTGAATCG	CCGCGTCGCA	GAAGATCTCA	ATCTCGGGAA	TCTCAATGTT	AGTATCCCTT		2460
GGACTCATAA	GGTGGGAAAC	TTTACTGGGC	TTTATTCTTC	TACTGTACCT	GTCTTTAATC		2520
CTGAGTGGCA	AACTCCCTCC	TTTCCTCACA	TTCATTTACA	GGAGGACATT	ATTAATAGAT		2580
GTCAACAATA	TGTGGGCCCT	CTTACAGTTA	ATGAAAAAAG	GAGATTAAAA	TTAATTATGC	. 8	2640
CTGCTAGGTT	TTATCCTAAA	CTTACCAAAT	ATTTGCCCTT	GGATAAAGGC	ATTAÄACCTT		2700
ATTATCCTGA	ACATGCAGTT	AATCATTACT	TCAAAACTAG	GCATTATTTA	CATACTCTGT		2760
GGAAGGCGGG	CATTCTATAT	AAGAGAGAAA	CTACACGCAG	CGCCTCATTT	TGTGGGTCAC		2820
CATATTCTTG	GGAACAAGAG	CTACAGCATG	GGAGGTTGGT	CTTCCAAACC	TCGACAAGGC		2880
ATGGGGACGA	ATCTTTCTGT	TCCCAATCCT	CTGGGATTCT	TTCCCGATCA	CCAGTTGGĄC		2940
CCTGCGTTCG	GAGCCAACTC	AAACAATCCA	GATTGGGACT	TCAACCCCAA	CAAGGATCGT		3000
TGGCCAGAGG	CAAATCAGGT	AGGAGCGGGA	GCATTCGGGC	CAGGĠTACCC	CCCACCACAC		3060
GGCGGTCTTT	TGGGGTGGAG	CCCTCAGGCT	CAGGGCATAT	TGACAACÇGT	GCCAGCAGCA		3120
CCTCCTCCTG	CCTCCACCAA	TCGGCAGTCA	GGAAGACAGC	CTACTCCCAT	CTCTCCACCT		3180
CTAAGAGACA	GTCATCCTCA	GGCCATGCAG	TGG				3213

(2) INFORMATION FOR SEQ ID NO: 290:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 290:

AACTCCACAA	CATTCCACCA	AGCTCTGCTA	GATCCCAGAG	TGAGGGGCCT	ATATTTTCCT		60
GCTGGTGGCT	CCAGTTCCGG	AACAGTAAAC	CCTGTTCCGA	CTACTGTCTC	ACCCATATCG	٠.	120
TCAATCTTCT	CGAGGACTGG	GGACCCTGCA	CCGAACATGG	AGAGCACAAC	ATCAGGATTC		180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	8	240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCACGTGT		300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT		360
	ATCGCTGGAT					•	420
CTATGCCTCA	TCTTCTTGTT	GGT*TCT*TCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT		480
CTACTTCCAG	GAACATCAAC	TACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	* .	540
CAAGGAACCT	CTATGTTTCC	CTCTTGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT		600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GCAAGATTCC	TATGGGAGTG	GGCCTCAGTC		660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGÇCA	TTTGTTCAGT	GGTTCGCAGG	GCTTTCCCCC	. •	720
ACTGTTTGGC	TTTCAGTŢAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC		780
TTGAGTCCCT	TTTTACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTGAACC		840
СТААТААААС	CAAACGTTGG	GGCTACTCCC	TTAACTTCAT	GGGATATGTA	ATTGGAAGTT		900
GGGGTACTTT	ACCACAGGAA	CATATTGTAT	TAAAACTCAA	GCAATGTTTT	CGAAAACTGC		960
CTGTAAATAG	ACCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1	1020
CTGCCCCTTT	TACACAATGT	GGCTATCCTG	CCTTGATGCC	TTTGTATGCA	TGTATACAAT	1	1080
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ATAAGGCCTT	TCTGTGTCAA	CAATACCTGC	. 1	1140
ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	GTCTCTGCCA	AGTGTTTGCT	GACGCAACCC	,1	L200
CCACTGGATG	GGGCTTGGCC	ATAGGCCATC	GGCGCATGCG	TGGAACCTTT	GTGGTTCCTC	آوِ	1250
TGCCGATCCA	TACTGCGGAA	CTCCTAGCAG	CTTGTTTTGC	TCGCGACCGG	TCTGGAGCAA	1	1320
AACTTAŢCGG	GACTGACAAC	TCGGTTGTCC	TCTCTCGGAÁ	ATACACCTCC	TTCCCATGGC	1	1380
TGCTCGGGTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	. 1	1440
CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GCCGTTTGGG	CCTCTACCGT	CCCTTGCTTT	. 1	1500
CTCTGCCGTT	CCAGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGŢCTCC	CCGTCTGTGC	1	1560
CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	. 1	1620
CGTGAACGGC	CACCAGGTCT	TGCCCAAGCT	CTTACATAAG	AGGACTCTTG	GACTCTCAGC	1	1680
AATGTCAACA	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTAAAG	ACTGGGAGGA	1	1740
•			•		ATAAATTGGT	1	1800
	GCACCATGCA						1860
CIGILLACCA	acucia i acu	WATE THE WAY	CICIGCINA	TOWICIONIG	FICHIGICA	-	1000

	ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCGTAT	1920
	AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCTTCT	1980
	ATTCGAGATC	TCCTCGACAC	CGCCTCTGCT	CTGTATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040
	CATTGTTCAC	CTCACCATAC	AGCACTCAGG	CAAGCTATTC	TGTGTTGGGG	TGAGTTGATG	2100
	AATTTGGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCCAGGGA	ATTAGTAGTC	2160
	AGCTATGTÇA	ATGTTAATAT	GGGCCTAAAA	ATCAGACAAC	TATTGTGGTT	TCATATTTCC	2220
	TGTCTTACTT	TTGGAAGAGA	AACTGTTCTT	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280
	CGCACTCCTC	CCGCTTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
	ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
	AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATCCC	2460
	TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	GCTTTATTCT	TCTACTGTAC	CTGTCCTTAA	2520
11	TCCTGAGTCC	CAAACTCCCT	CCTTTCCTAA	CATTCATTTA	CAGGAGGACA	TTATTAATAG	2580
	ATGTCAACAA	TATGTGGGCC	CTCTTACAGT	TAATGAAAAA	AGGAGATTAA	AATTAATTAT	2640
	GCCTGCTAGG	TTCTATCCTA	ACCTTACCAA	ATATTTGCCC	TTGGATAAAG	GCATTAAACC	2700
	TTATTATCCT	GAACATGCAG	TTAATCATTA	CTTCAAAACT	AGGCATTATT	TACATACTCT	2760
,	GTGGAAGGCT	GGCATTCTAT	ATAAAAGAGA	AACTACACGC	AGCGCTTCAT	TTTGTGGGTC	2820
	ACCATATTCT	TGGGAACAAG	AGCTACGGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGACAAG	2880
1	GCATGGGGAC	GAATCTTTCT	GTTCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
•	ACCCTGCGTT	CGGAGCCAAC	TCAAACAATC	CAGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
	ACTGGCCAGA	GGCAATCAAG	GTAGGAGCGG	GAGACTTCGG	GCCAGGGTTC	ACCCCACCAC	3060
	ACGGCGGTCT	TTTGGGGTGG	AGCCCTCAGG	CTCAGGGCAT	ATTGACAACA	GTGCCAGCAG	3120
	CGCCTCCTCC	TGTTTCCACC	AATCGGCAGT	CAGGAAGACA	GCCTACTCCC	ATCTCTCCAC	3180
(CTCTAAGAGA	CAGTCATCCT	CAGGCCATGC	AGTGG		*	3215
	-	• .					

(2) INFORMATION FOR SEQ ID NO: 291:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 3215 base pairs

 - (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

AACTCCACAA	CATTCCACCA	AGCTCTGCTA	GATCCCAGAG	TGAGGGGCCT	ATATTTTCCT	60
	CCAGTTCCGG CGAGGACTGG					120 180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGÇ	ACCCACGTGT	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GAACATCAAC	TACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCTTGTTGG	TGTACAAAAC	CTTCGGACGG	AAACTĢCACT	600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GCAAGATTCC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGCAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	780
TTGAGTCCCT	TTTTACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTGAACC	840
СТААТААААС	CAAACGTTGG	GGCTACTCCC	TTAACTTCAT	GGGATATGTA	ATTGGAAGTT	900
GGGGTACTTT	ACCACAGGAA	CATATTGTAT	TAAAACTCAA	GCAATGTTTT	CGGAÄACTGC	960
CTGTAAATAG	ACCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCCCCTTT	TACACAATGT	GGCTATCCTG	CCTTGATGCC	TTTATATGCA	TGTATACAAT	1080
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ATAAGGCCTT	TCTGTGTCAA	CAATACCTGC	1140
ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	GTCTCTGCCA	AGTGTTTGGT	GACGCAACCC	1200
CCACTGGATG	GGGCTTGGCC	ATAGGCCATC	GGCGCATGCG	TGGAACCTŢŢ	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCAG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCAA	1320
AACTTATCGG	GACTGACAAC	TCTGTTGTCC	TCTCTCGGAA	ATACACCTCC	TTCCCATGGC	1380
TGCTCGGGTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GCCGTTTGGG	CCTCTACCGT	CCCCTTCTTC	1500
ATCTGCCGTT	CCAGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GÇAÇGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CACCAGGTCT	TGCCTAAGCT	CTTACATAAG	AGGACTCTTG	GACTCTCAGĊ	1680
AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTAAAG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCATG	TTCATGTCCT	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCGTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCTTCT	1980
ATTCGAGATC	TCCTCGACAC	CGCCTCTGCT	CTGTATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040

CATTGTTCAC	CTCACCATAC	AGCACTCAGG	CAAGCTATCC	TGTGTTGGGG	TGAGTTGATG	2100
AATTTGGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCCAGGGA	ATTAGTAGTC	2160
AGCTATGTCA	ATGTTAATAT	GGGCCTAAAA	ATCAGACAAC	TATTGTGGTT	TCACATTTCC	2220
TGTCTTACTT	TTGGAAGAGA	AACTGTTCTT	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280
CGCACTCCTC	CCGCTTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCŢCAATG	TTAGTATCCC	2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	GCTTTATTCT	TCTACTGTAC	CTGTCTTTAA	2520
TCCTGAGTGC	CAAACTCCCT	CCTTTCCTAA	CATTCATTTA	CAAGAGGATA	TTATTAATAG	2580
ATGTCAACAA	TATGTGGGCC	CTCTTACAGT	TAATGAAAAA	AGGAGATTAA	AATTAATTAT	2640
GCCTGCTAGG	TTCTATCCTA	ACCTTACCAA	ATATTTGCCC	TTGGATAAAG	GCATTAAACC	2700
TTATTATCCT	GAACATGCAG	TTAATCATTA	CTTCAAAACT	AGGCATTATT	TACATACGCT	2760
GTGGAAGGCT	GGCATTCTAT	ATAAAAGAGA	AACTACACGC	AGCGCTTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGACAAG	2880
GCATGGGGAC	GAATCTTTCT	GTTCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
ACCCTGCGTT	CGGAGCCAAC	TCAAACAATC	CAGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
ACTGGCCAGA	CGGAATCAAG	GTAGGAGCGG	GAGACTTCGG	GCCAGGGTTC	ACCCCACCAC	3060
ACGGCGGTCT	TTTGGGGTGG	AGCCCTCAGG	CTCAGGGCAT	CTTGACAACA	GTGCCAGCAG	3120
CTCCTCCTCC	TGCCTCCACC	AATCGGCAGT	CAĞGAAGACA	GCCTACTCCC	ATCTCTCCAC	3180
CTCTAAGAGA	CAGTCATCCT	CAGGCCATGC	AGTGG	(\$1)	* **	3215

(2) INFORMATION FOR SEQ ID NO: 292:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 292:

AACTCCACAA CATTCCACCA AGCTCTGCTA GATCCCAGAG TGAGGGGCCT ATATTTTCCT 60
GCTGGTGGCT CCAGTTCCGG AACAGTAAAC CCTGTTCCGA CTACTGCCTC ACCCATATCG 120
TCAATCTTCT CGAGGACTGG GGACCCTGCA CCGAACATGG AGAGCACAAC ATCAGGATTC 180

CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCACGTGT	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAACT	360
TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GAÇTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GAACATCAAC	TACCAGCACG	GGACCATGCA	GAACCTGCAC	GATTCCTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCTTGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GCAAGATTCC	TATGGGAGTG	GGCCTÇAGTC	- 660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGCTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	780
TTGAGTCCCT	TTTTACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTGAACC	840
CTAATAAAAC	CAAACGTTGG	GGCTACTCCC	TTAACTTCAT	GGGATATGTA	ATTGGAAGTT	900
GGGGTACTTT	ACCGCAGGAA	CATATTGTAC	AAAAACTCAA	GCAATGTTTT	CGAAAATTGC	960
CTGTAAATAG	ACCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCCCCTTT	TACACAATGT	GGCTATCCTG	CCTTGATGCC	TTTATATGCA	TGTATACAAT	1080
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATATCTAA	1140
ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	$\mathtt{GTCTCTGCC} \lambda$	AGTGTTTGCT	GACGCAACCC	1200
CCACGGGTTG	GGGCTTGGCC	ATAGGCCATC	GGCGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCAG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCGA	1320
AACTTATCGG	AACCGACAAC	TCAGTTGTCC	TCTCTCGGAA	ATACACCTCC	TTTCCATGGC	1380
TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GCCGTTTGGG	CCTCTACCGT	CCCCTTCTTC	1500
ATCTGCCGTT CTTCTCATCT	CCGGCCGACC GCCGGACCGT	ACGGGGCGCA GTGCACTTCG	CCTCTCTTTA CTTCACCTCT	CGCGGTCTCC GCACGTAGCA	CCGTCTGTGC TGGAGACCAC	1560 1620
CGTGAACGCC	CACCAGGTCT	TGCCCAAGGT	CTTACACAAG	AGGACTCTTG	GACTCTCAGC	1680
AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTAAAG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGTTCACCA	GCACCATGCA	ACTTTTTCCC	CTCTGCCTAA	TCATCTCATG	TTCATGTCCT	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCGTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCTTCT	1980
ATTCGAGATC	TCCTCGACAC	CGCCTCTGCT	CTGTATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040
CATTGTTCAC	CTCACCAŢĄC	AGCACTCAGG	CAAGCTATTC	TGTGTTGGGG	TGAGTTGATG	2100
AATCTGGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCCAGGGA	ATTAGTAGTC	2160
AGCTATGTCA	ATGTTAATAT	GGGCCTAAAA	ATTAGACAAC	TATTGTGGTT	TCACATTTCC	2220
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TGCCTTACTT	TTGGAAGAGA	AACTGTCCTT	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280
CGCACTCCTC	CCGCTTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATCCC	2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	GCTTTATTCT	TCTACTGTAC	CTGTCTTTAA	2520
TCCTGATTGG	AAAACTCCCT	CCTTTCCTCA	CATTCATTTA	CAGGAGGACA	TTATTAATAG	2580
ATGTCAACAA	TATGTGGGCC	CTCTGACAGT	TAATGAAAAA	AGGAGATTAA	AATTAATŢAT	2640
GCCTGCTAGG	TTCTATCCTA	ACCTTACCAA	ATATTTGCCC	TTGGACAAAG	GCATTAAACC	2700
GTATTATCCT	GAATATGCAG	TŢAATCATTA	CTTCAAAACT	AGGCATTATT	TACATACTCT	2760
GTGGAAGGCT	GGCATTCTAT	ATAAGAGAGA	AACTACACGC	AGCGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGACAAG	2880
GCATGGGGAC	GAATCTTTCT	GTTCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
ACCCTGCGTT	CGGAGCCAAC	TCAAACAATC	CAGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
ACTGGCCAGA	GGCAAATCAG	GTAGGAGCGG	GAGCATTTGG	TCCAGGGTTC	ACCCCACCAC	3060
ACGGAGGCCT	TTTGGGGTGG	AGCCCTCAGG	CTCAGGGCAT	ATTGACAACA	CTGCCAGCAG	3120
CACCTCCTCC	TGCCTCCACC	AATCGGCAGT	CAGGAAGACA	GCCTACTCCC	ATCTCTCCAC	3180
CTCTAAGAGA	CAGTCATCCT	CAGGCCATGC	AGTGG	× • ·		3215

(2) INFORMATION FOR SEQ ID NO: 293:

- (i) SEQUENÇE CHARACTERISTICS:
 - (A) LENGTH: 3188 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 293:

AATTCCACAA	CATTCCACCA	AGCTCTGCTA	GATCCCAGAG	TGAGGGGCCT	ATATTTTCCT	60
GCTGGTGGCT	CCAGTTCCGG	AACAGTAAAC	CCTGTTCCGA	CTACTGCCTC	ACCCATATCG	120
TCAATCTTCT	CGAGGACTGG	GGACCCTGĆA	CCGAACATGG	AGAACACAAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	2,40
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCACGTGT	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360

TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GAACATCAAC	CACCAGCACG	GGGCCATGCA	AGACCTGCAC	GATTCCTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCTTGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GCAAGATTCC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	780
TTGAGTCCCT	TTTTACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	840
СТААТААААС	CAAACGTTGG	GGCTACTCCC	TTAACTTCAT	GGGATATGTA	ATTGGAAGTT	900
GGGGTACTTT	ACCGCAGGAA	CATATTGTAC	TAAAACTCAA	GCAATGTTTT	CGAAAATTGC	960
CTGTAAATAG	CCCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCCCCTTT	TACACAATGC	GGCTATCCTG	CCTTGATGCC	TTTATATGCA	TGTATACAAT	1080
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ATAAGGCCTT	TCTGTGTAAA	CAATATCTGA	1140
ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	GTCTCTGCCA	AGTGTTTGCT	GACGCAACCC	1200
	GGGCTTGGCC TACTGCGGAA			TGGAACCTTT TCGCAGCCGG	GTGGCTCCTC TCTGGAGCGA	1260 1320
AACTTATCGG	AACCGACAAC	TCTGTTGTCC	TCTCTCGGAA	ATACACCTCC	TTTCCATGGC	1380
TGCTAGGGTG	TGCTGCCAAC	TGGATÇCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GCCGTTTGGG	GCTCTACCGT	CCCCTTCTTC	1500
TTCTGCCGTŢ	CCGGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CACCAGGTCT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCAGC	1680
CATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	GTGTTTAAAG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAACTTTTT	1800
CACCTCTGCC	TAATCATCTC	ATGTTCATGT	CCTACTGTTC	AAGCCTCCAA	GCTGTGCCTT	1860
GGGTGGCTTT	GGGGCATGGA	CATTGACCCG	TATAAAGAAT	TTGGAGCATC	TGTGGAGTTA	1920
CTCTCTTTTT	TGCCTTCTGA	CTTCTTTCCG	TCTATTCGAG	ATCTCCTTGA	CACCGCCTCT	1980
GCTCTGTATC	GGGAGGCCTT	AGAGTCTCCG	GAACATTGTT	CACCTCACCA	TACAGCACTC	2040
AGĢCAAGCTA	TTCTGTGTTG	GGGTGAGTTA	ATGAATCTGG	CCACCTGGGT	GGGAAGTAAT	2100
TTGGAAGACC	CAGCATCCAG	GGAATTAGTA	GTCAGCTATG	TCAATGTTAA	TATGGGCCTA	2160
AAAATCAGAC	AACTATTGTG	GTTTCACATT	TCCTGCCTTA	CTTTTGGAAG	AGAAACTGTT	2220
TTGGAGTATT	TGGTATCTTT	TGGAGTGTGG	ATTCGCACTC	CTCCCGCTTA	CAGACCACCA	2280
AATGCCCCTA	TCTTATCAAC	ACTTCCGGAA	ACTACTGTTG	TTAGACGACG	AGGCAGGTCC	2340
CCTAGÁAGAA	GAACTCCCTC	GCCTCGCAGA	CGAAGGTCTC	AATCGCCGCG	TCGCAGAAGA	2400
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TCTCAATCTC	GGGAATCTCA	ATGTTAGTAT	CCCTTGGACT	CATAAGGTGG	GAAACTTTAC	2460
TGGGCTTTAT	TCTTCTACTG	TACCTGTCTT	TAATCCCGAG	TGGCAAACTC	CCTCCTTTCC	2520
TCACATTCAT	TTACAGGAGG	ACATTATTAA	TAGATGTCAA	CAATATGTGG	GCCCTCTTAC	2580
GGTTAATGAA	AAAAGGAGAT	TĄATTAAAT	TATGCCTGCT	AGGTTCTATC	CTAACCTTAC	2640
TAAATATTTG	CCCTTAGACA	AAGGCATTAA	ACCGTATTAT	CCTGAACATG	CAGTTAATCA	2700
TTACTTCAAA	ACTAGGCATT	ATTTACATAC	TCTGTGGAAG	GCTGGCATTC	TATATAAGAG	2760
AGAAACTACA	CGCAGCGCCT	CATTTTGTGG	GTCACCATAT	TCTTGGGAAC	AAGAGCTACA	2820
GCATGGGAGG	TTGGTCTTCC	AAACCTCGAC	AAGGCATGGG	GACGAATCTT	TCTGTTCCCA	2880
ATCCTCTGGG	ATTCTTTCCC	GATCACCAGT	TGGACCCTGC	GTTCGGAGCC	AACTCAAACA	2940
ATCCAGATTG	GGACTTCAAC	CCCAACAAGG	ATCAATGGCC	AGAGGCAAAT	CAGGTAGGAG	3000
CGGGAGCATT	CGGGCCAGGG	TTCACCCCAC	CACACGGCGG	TCTTTTGGGG	TGGAGCCCTC	3060
AGGCTEAGGG	CATATTGACA	ACAGTGCCAG	CAGCACCTCC	TCCTGCCTCC	ACCAATCGGC	3120
AGTCAGGAAG	ACAGCCTACT	CCCATCTCTC	CACCTCTAAG	AGACAGTCAT	CCTCAGGCCA	3180
TGCAGTGG		* .				3188

(2) INFORMATION FOR SEQ ID NO: 294:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3214 base pairs

 - (B) TYPE: nucleic acid (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 294:

AACTCCACA	A CATTCCACCA	AGCTCTGCTA	GACCCCAGAG	TGAGGGGCCT	ATACTTTCCT	60
GCTGGTGGC	r ccagttccgg	AACAGTAAAC	CCTGTTCCGA	CTACTGCCTC	ACCCATATCG	120
TCAATCTCC	r cgaggactgg	GGACCCTGCA	CCGAACATGG	AGAACACAAC	ATCAGGATTC	180
CTAGGACCC	C TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCACAGAGT	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCACGTGT	300
CCTGGCCAA	A ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
TGTCCTGGC	r atcgctggat	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCTC.	A TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCA	GAACATCAAC	TACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	540

	CAAGGAACCT	CTATGTTTCC	CTCTTGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600	
*	TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GCAAGATTCC	TATGGGAGGG	GGCCTCAGTC	660	
	CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	ŢTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720	
	ACTGTTTGGC	TTTÇAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GȚACAACĂTC	780	
	TTGAGTCCCT	TTTTACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	840	
	CTAATAAAAC	CAAACGTTGG	GGCTACTCCC	TTAACTTCAT	GGGATATGTA	ATTGGATGTT	900	*
			CATATTGTAC TGGAAAGTAT				960 1020	
	CTGCCCCTTT	TACACAATGT	GGCTATCCTG	CCTTAATGCC	TTTATATGCA	TGTATACAAT	1080	
	CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATATCTGA	1140	
	ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	GTCTCTGCCA	AGTGTTTGCT	GAÇGCAACCC	1200	4
	CCACTGGATG	GGGCTTGGCT	ATCGGCCATA	GCCGCATGCG	CGGACCTTTG	TGGCTCCTCT	1260	
	GCCGATCCAT	ACTGCGGAAC	TCCTAGCAGC	TTGTTTTGCT	CGCAGGCGGT	CTGGAGCGAA	1320	
	ACTTATCGGC	ACCGACAACT	CTGTTGTCCT	CTCTCGGAAA	TACACCTCCT	TTCCATGGCT	1380	
*	GCTAGGGTGT	GCTGCCAACT	GGATCCTGCG	CGGGACGTCC	TTTGTCTACG	TCCCGTCGGC	1440	
	GCTGAATCCC	GCGGACGACC	CGTCTCGGGG	CCGTTTGGGA	CTCTACCGTC	CCCTTCTTCA	1500	
-	TCTGCCGTTC	CGGCCGACCA	CGGGGCGCAC	CTCTCTTTAC	GCGGTCTTTT	TGTCTGTGCC	1560	·
	TTCTCATCTG	CCGGTCCGTG	TGCACTTCGC	TTCACCTCTG	CACGTCGCAT	GGAGACCACC	1620	
	GTGAACGCCC	ACCAGGTCTT	GCCCAAGGTC	TTACATAAGA	GGACTCTTGG	ACTCTCAGCG	1680	
	ATGTCAACGA	CCGACCTTGA	GGCATACTTC	AAAGACTGTT	TGTTTAAGGA	CTGGGAGGAG	1740	
.0	TTGGGGGAGG	AGATTAĞGTT	AAAGGTCTTT	GTACTAGGAG	GCTGTAGGCA	TAAATTGGTC	1800	
	TGTTCACCAG	CACCATGCAA.	CTTTTTCACC	TCTGCCTAAT	CATCTCATGT	TCATGTCCTA	1860	*
	CTGTTCAAGC	CTCCAAGCTG	TGCCTTGGGT	GGCTTTGGGG	CATGGACATT	GACCCGTATA	1920	
	AAGAATTTGG	AGCTTCTGTG	GAGTTACTCT	CTTTTTTGCC	TTCTGACTTC	тттссттста	1980	
	TTCGAGATCT	CCTCGACACC	GCCTCAGCTC	TATATCGGGA	GGCCTTAGAG	TCTCCGGAAC	2040	
	ATTGTTCTCC	TCATCATACA	GCACTCAGGC	AAGCTATTCT	GTGTTGGGGT	GAGTTGATGA	2100	
	ATCTGGCCAC	CTGGGTGGGA	AGTAATTTGG	AAGACCÇAGC	ATCCAGGGAA	TTAGTAGTCA	2160	
	GCTATGTCAA	TGTTAATATG	GGCCTAAAAA	TCAGACAACT	ACTGTGGTTT	CACATTTCCT	2220	
•	GŤCTTACTTT	TGGAAGAGAA	ACTGTTCTTG	AGTATTTGGT	GTCTTTTGGA	GTGTGGATTC	2280	
	GCACTCCTCC	TGCTTACAGA	CCACCAAATG	CCCCTATCTT	ATCAACACTT	CCGGAAACTA	2340	
*	CTGTTGTTAG	ACGACGAGGC	AGGTCCCCTA	GAAGAAGAAC	TCCCTCGCCT	CGCAGACGAA	2400	
	GGTCTCAATC	GCCGCGTCGC	AGAAGATCTC	AATCTCGGGA	ATCTCAATGT	TAGTATCCCT	2460	
	TGGACTCATA	AGGTGGGAĂA	CTTTACTGGG	CTTTATTCTT	CTACTGTACC	TGTCTTTAAT	2520	
	CCTGAGTGGC	AAACTCCCTC	CTTTCCTCAC	ATTCATTTAC	AGGAGGACAT	TATTAATAGA	2580	

TGTCAACAAT	ATGTGGGCCC	TCTTACAGTT	AATGAAAAA	GGAGATTAAA	ATTAATTATG	2640
CCTGCTAGGT	TCTATCCTAA	CCTTACCAAA	TATTTGCCAT	TGGACAAAGG	CATTAAACCA	2700
TATTATCCTG	AACATGCAGT	TAATCATTAC	TTCAAAACTA	GGCATTATTT	ACATACTCTG	2760
TGGAAGGCGG	GCATTCTATA	TAAGAGAGAA	ACTACACGCA	GTGCCTCATT	CTGTGGGTCA	2820
CCATATTCTT	GGGAACAAGA	GCTACAGCAT	GGGAGGTTGG	TCTTCCAAAC	CTCGACAAGG	2880
CATGGGGACG	AATCTTTCTG	TTCCCAATCC	TCTGGGATTC	TTTCCCGATC	ACCAGTTGGA	2940
CCCTGCGTTC	GGAGCCAACT	CACACAATCC	CGATTGGGAC	TTCAACCCCA	ACAAGGATCA	3000
TTGGCCAGAG	GCAAATCAGG	TAGGAGCGGG	AGCATTCGGG	CCAGGGTTCA	CCCCACCACA	3060
CGGCGGTCTT	TTGGGGTGGA	GCCCGCAGGC	TCAGGGCGTA	TTGACAACCG	TGCCAGTAGC	3120
ACCTCCTCCT	GCCTCCACCA	ATCGGCAGTC	AGGAAGACAG	CCTACTCCCA	TCTCTCCACC	3180
TCTAAGAGAC	AGTCATCCTC	AGGCCATGCA	GTGG			3214

(2) INFORMATION FOR SEQ ID NO: 295:

- (i) SEQUENCE CHAPACTERISTICS:
 - (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 295:

AACTCCAC	AΑ	CATTCCACCA	AGCTCTGCŢA	GACCCCAGAG	TGAGGGGCCT	ATACTTTCCT	60
GCTGGTGG	CT	CCAGTTCCGG	AACAGTAAAC	CCŢĢŢŢÇCGA	CTACTGCCTC	ACCCATATCG	120
TCAATCTT	CT	CGAGGACTGG	GGACCCTGCA	CCGAACATGG	AGAACACAAC	ATCAGGATTC	- 130
CTAGGACC	CC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCACAGAG	TC	TACACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGCAGC	ACCCACGTGT	300
CTTGGCCA	AA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
TGTCCTGG	TT	ATCGTTGGAT	GTGTCTGCGG	CGTTTTATCA	TATTCCTCTT	CATCCTGCTG	420
CTATGCCT	CA	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGTC	TGTTTGTCCT	480
CTACTTCC	AΑ	GAACATCAAC	TACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	540
CAAGGAAC	СТ	CTATGTTTCC	CTCTTCTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600
			TTGGGCTTTC ACTAGTGCCA				660 720
ACTGTTTG	GC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	780

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TTGAGTCCCT	TTTTACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTGAACC	840		
					ATTGGATGTT	900		
	ACCGCAAGAA					960		
	ACCTATTGAT		•	•		1020		
CTGCCCCTTT	TACACAATGT	GGCTATCCTG	CCTTGATGCC	TTTATATGCA	TGTATACAAT	1080		4
CTAAGCAAGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATATCTGA	1140		
ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	GTCTCTGCCA	AGTGTTTGCT	GACGCAACCC	1200		
CCACTGGATG	GGGCTTGGCT	ATTGGCCATC	GCCGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260		
TGCCGATCCA	TACTGCGGAA	CTCCTGGCAG	CCTGTTTTGC	TCGCAGCCGG	TCTGGAGCAA	1320		
AACTTATCGG	AACCGACAAC	TCTGTTGTCC	TCTCTCGGAA	ATACACCTCC	TTTCCATGGC	1380		
TGCTCGGGTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440		
CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GCCGTTTGGG	CCTCTATCGT	CCCCTTCTTC	1500		
ATCTACCGTT	CCGGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560	O	
CTTCTCATCT	GCCGGACCGT	GTGCACTTCC	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620		*
CGTGAACGCC	CACCAGGTCT	TGCCCAAGGT	CTTACATAAG	AGCACTCTTG	GACTCTCAGC	1680		8,
AATGTCAACG	ACCGACCTTG	AGGCATACŢT	CAAAGACTGT	TTGTTTAAGG	ACTGGGAGGA	1740		
GTTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTACTGGGA	GGCTGTAGGC	ATAAATTGGT	1800		
CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCATG	TTCATGTCCT	1860	٠	· · · · · · ·
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCGTAT	1920		••
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCTTCT	1980		:
ATTCGAGATC	TCCTCGACAC	CGCCTCAGCT	CTGTATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040		
CATTGCTCAC	CTCACCATAC	CGCACTCAGG	CAAGCTATTC	TGTGTTGGCG	TGAGTTGATG	2100	÷. ÷	
AATCTGGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCCAGGGA	ATTAGTAGTC	2160		P
AGCTATGTCA	ATGTTAATAT	CGGCCTAAAA	ATCAGACAAC	TACTGTGGTT	TCACATTTCC	-2220		*
TGTCTTACTT	TTGGAAGAGA	AACTGTTCTT	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280	. * .	•
CGCACTCCTC	CTGCTTACAG	ACCACCAAAT	GCCCCTATCT.	TATCAACACT	TCCGGAAACT	2340		
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400		
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATCCC	2460		
TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	GCTTTATTCT.	TCTACTGTAC	СТАТСТТТАА	2520		
TCCTGAGTGG	CAAACTCCCT	CCTTTCCTCA	CATTCATTTA	CAGGAGGACA	TTATTAATAG	2580		
ATGTCAACAA	TATGTGGGCC	CTCTTACAGT	TAATGAAAAA	AGGAGATTAA	AGTTAATTAT	2640		
GCCTGCTAGG	TTCTATCCTA	ACCTTACCAA	ATATCTGCCC	TTGGACAAAG	GCATTAAACC	2700		
ATATTATCCT	GAACATGCAG	TTAATCATTA	CTTCAAAACT	AGGCATTATT	TACATACTCT	2760		* *
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GTGGAAGGCG	GGCATTCTAT.	ATAAGAGAGA	AACTACGCGC	AGCGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCŢTCCAAA	CCTCGACAAG	2880
GCATGGGGAC	GAATCTTTCT	GTTCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
ACCCTGCGTT	CGGAGCCAAC	TCAAACAATC	CAGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
ACTGGCCAGA	GGCAAATCAG	GTAGGAGCGG	GAGCATTCGG	GCCAGGGTTC	ACCCCACCAC	3060
ACGGCGGTCT	TTTGGGGTGG	AGCCCTCAGG	CTCAGGGCAT	ATTGACAACA	GTGCCAGTAG	3120
CACCTCCTCC	TGCCTCCACC	AATCGGCAGT	CAGGAAGACA	GCCTACTCCC	ATCTCTCCAC	3180
CTCTAAGAGA	CAGTCATCCT	CAGGCCATGC	AGTGG			3215

(2) INFORMATION FOR SEQ ID NO: 296:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3215 base pairs

 - (B) TYPE: nucleic acid(C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 296:

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60	ATATCTTCCT	TGAGGGGCCT	GATCCCAGAG	AGCTGTGCTA	CATTCCACCA	AACTCCACAA
120	ACCCATATCG	CTACTGCCTC	CCTGTTCCGA	AACAGTGAAC	CCAGTTCCGG	GCTGGTGGCT
180	ATCAGGATTC	AGAACACAAC	CCGAACATGG	GGACCCTGCA	CGAGGACTGG	TCAATCTTCT
240	CCTCACAATA	TGACAAGAAT	TTTTTCTTGT	ACAGGCGGGG	TGCTCGTGTT	CTAGGACCCC
300	ACCCACGTGT	TAGGGGGAGC	CTCAATTTTC	GTGGACTTCT	TAGACTCGTG	CCACAGAGTC
- 360 420					ATTCGCAGTC ATCGCTGGAT	
480	CGTTTGTCCT	GTATGTTGCC	GACTACCAAG	GGTTCTTCTG	TCTTCTTGTT	CTATGCCTCA
540	GATTCCTGCT	AGACCTGCAC	GGACCATGCA	TACCAGCACG	GAACATCAAC	CTACTTCCAG
600	AAACTGCACT	CTTCGGACGG	TGTACAAAAC	CTCCTGTTGC	CTATGTTTCC	CAAGGAACCT
660	GGCCTCAGTC	TATGGGAGTG	GCAAGATTCC	CTGGGCTTTC	TCCCATCATC	TGTATTCCCA
720	GCTTTCCCCC	GGTTCGTAGG	TTTGTTCAGT	ACTAGTGCCA	GGCTCAGTTT	CGTTTCTCCT
780	GTACAACATC	GGCCAAGTCT	TGGTATTGGG	ATGGATGATG	TTTCAGTTAT	ACTGTTTGGC
840	CATTTGAACC	TTTGGGTATA	TTCTTTTGTC	ATTACCAATT	TTTTACCTCT	TTGAGTCCCT
900	ATTGGAAGTT	GGGATATGTA	TTAACTTCAT	GGCTACTCCC	CAAACGTTGG	СТСАТААААС
. 960	CGGAAGCTGC	GCAATGTTTT	ТАЛАЛАТСАЛ	CATATTGTAC	ACCACAGGAA	GGGGTACTTT

CTGTAAATAG	ACCTATTGAT	TGGAAAGTAT	GTCAAAGGAT	TGTGGGTCTT	TTGGGCTTTG	1020
ÇTGCCCCTTT	TACACAATGT	GGCTATCCTG	CCTTGATGCC	TTTATATGCA	TGTATACAAT	1080
CTAAGCAGGC	TTTCACTTŢC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATATCTGC	1140
ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	GTCTCTGCCA	AGTGTTTGCT	GACGCAACCC	1200
CCACTGGATG	GGGCTTGGCC	ATTGGCCAAT	CGGGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCAG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCGA	1320
AACTTATCGG	GACTGACAAC	TCTGTTGTCC	TCTCTCGGAA	ATACACCTCC	TTCCCATGGC	1380
TGCTCGGGTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GCCGTTTGGG	CCTCTACCGT	CCCCTTCTTC	1500
ATCTGCCGTT	CCGGCCGACC	ACGGGGCGCG	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CACCAGGTCT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCAGC	1680
GATGTCAACG	ACCGACCTTG	AGGCATATTT	CAAAGACTGT	TTGTTTAAAG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGGT	TAATGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCCTG	TTCATGTCCT	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTAGGG	GCATGGACAT	TGACACGTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTGC	CTTCTGACTT	CTTTCCTTCT	1980
ATTCGAGATC	TCCTCGACAC	CGCCTTTGCT	CTGCATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040
CATTGTTCAC	CTCACCATAC	AGCACTCAGG	CAAGCTATTG	TGTGTTGGGG	TGAGTTGATG	2100
AATCTGGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCCAGGGA	ATTGGTAGTC	2160
AGCTATGTCA	ATGTTAATAT	GGGCCTAAAA	ATCAGACAAC	TATTGTGGTT	TCACATTTCC	2220
TGTCTTACTT	TTGGAAGAGA	AACGGTTCTT	GAGTATTTGG	TATCTGTTGG	AGTGTGGATT	2280
CGCACTCCTC	AAGCCTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	23.40
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTAAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	ĄĄTCTCĄĄTG	TTAGTATCCC	2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	TCTCTATTCT	TCTACTGTAC	CTGTCTTTAA	2520
TCCTGAGTGG	CAAACTCCCT	CCTTTCCTAA	TATTCATTTA	CAGGAGGATA	TTATTAATAG	2580
ATGTCAACAA	TATGTAGGCC	CTCTTACAGT	TAATGAAAAA	AGGAGATTAA	AATTAATTAT	2640
GCCTGCTAGG	ттстатсста	ACCTTACCAA	ATATTTGCCC	TTGGATAAAG	GTATTAAACC	2700
TTATTATCCT	GAACATGCAG	TTAATCATTA	TTTCAAAACT	AGGCATTATT	TACATACTCT	2760
GTGGAAGGCT	GGCATTCTAT	ATAAGAGAGA	AACTACACGT	AGTGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGACAAG	2880
GCATGGGGAC	GAATCTTTCT	GTTCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
		•	:		- 0	

ACCCTGCATT C	GGAGCCAAC	TCAAACAATC	CAGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
ATTGGCCAGA G	GCAAATCAG	GTAGGAGCGG	GAGCATTTGG	GCCAGGGTTC	ACTCCACCAC	3060
ACGGCGGTCT T	TTGGĢGTGG	AGCCCTCAGG	CTCAGGGCAT	ATTGACAACA	GTGCCAGCAG	3120
CGCCTCCTCC T	GCCTCTACC	AATCGGCAGT	CAGGAAGACA	GCCTACTCCC	ATCTCTCCAC	3180
CTCTAAGAGA- C.	AGTCATCCT	CAGGCCATGC	AGTGG			3215

(2) INFORMATION FOR SEQ ID NO: 297:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3215 base pairs

 - (B) TYPE: nucleic acid (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 297:

60 120					CATTCCACCA CCAGTTCCGG	
180	ATCAGGATTC	AGAACACAAC	CCGAACATGG	GGACCCTGCA	CGAGGACTGG	TCAATCTTCT
240	CCTCACAATA	TGACAAGAAT	TTTTTCTTGT	ACAGGCGGGG	TGCTCGTGTT	CTAGGACCCC
300	ACCCACGTGT	TAGGGGGAGC	CTCAATTTTC	GTGGAÇTTCT	TAGACTCGTG	CCACAGAGTC
360	ŢCCTCCAATT	CAACCTCTTG	AATCACTCAC	CCCAACCTCC	ATTCGCAGTC	CCTGGCCCAA
420	CATCCTGCTG	TATTCCTCTT	CGTTTTATCA	GTGTCTGCGG	ATCGCTGGAT	TGTCCTGGCT
480	CGTTTGTCCT	GTATGTTGCC	GACTACCAAG	GGTTCTTCTG	TCTTCTTGTT	CTATGCCTCA
540	GATTCCTGCT	AGACCTGCAC	GGACCATGCA	TACCAGCACG	GAACATCAAC	CTACTTCCAG
600	AAACTGCACT	CTTCGGACGG	TGTACAAAAC	CTCCTGTTGC	CTATGTTTCC	CAAGGAACCT
660	GGCCTCAGTC	TATGGGAGTG	GCAAGATTCC	CTGGGCTTTC	TCCCATCATC	TGTATTCCCA
720	GCTTTCCCCC	GGTTCGTAGG	TTTGTTCAGT	ACTAGTGCCA	GGCTCAGTTT	CGTTTCTCCT
780	GTACAACATC	GGCCAAGTCT	TGGTATTGGG	ATGGATGATG	TTTCAGTTAT	ACTGTTTGGC
840	CATTTGAACC	TTTGGGTATA	TTCTTTTGTC	ATTACCAATT	TTTTACCTCT	TTGAGTCCCT
900	ATTGGAAGTT	GGGATATGTA	TTAACTTCAT	GGCTACTCCC	CAAACGTTGG	CTCATAAAAC
960	CGGAAGCTGC	GCAATGTTTT	TAAAAATCAA	CATATTGTAC	ACCACAGGAA	GGGGTACTTT
1020	TTGGGCTTTG	TGTGGGTCTT	GTCAAAGGAT	TGGAAAGTAT	ACCTATTGAT	CTGTAAATAG
1080	TGTATACAAT	TTTATATGCA	CCTTGATGCC	GGCTATCCTG	TACACAATGT	CTGCCCCTTŢ
1140	CAATATCTGC	TCTGTGTAAA	ACAAGGCCTT	TCGCCAACTT	TTTCACTTTC	CTAAGCAGGC

				•	· 2	
ACCTTTACCC	CGTTGCCCGG	CAACGGTCAG	GTCTCTGCCA	AGTGTTTGCT	GACGCAACCC	1200
CCACTGGATG	GGGCTTGGCC	ATTGGCCAAT	CGGGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCAG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCGA	1320
AACTTATCGG	GACTGACAAC	TCTGTTGTCC	TCTCTCGGAA	ATACACCTCC	TTCCCATGGC	1380
TGCTCGGGTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTCTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GCCGTTTGGG	CCTCTACCGT	CCCCTTCTTC	1500
ATCTGCCGTT	CCGGCCGACC	ACGGGGCGCG	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CACCAGGTCT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCAGC	1680
GATGTCAACG	ACCGACCTTG	AGGCATATTT	CAAAGACTGT	TTGTTTAAAG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGGT	TAATGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCCTG	TTCATGTCCT	1860.
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTAGGG	GCATGGACAT	TGACACGTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTGC	CTTCTGACTT	CTTTCCTTCT	1980
ATTCGAGATC	TCCTCGACAC	CGCCTTTGCT	CTGCATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040
CATTGTTCAC	CTCACCATAC	AGCACTCAGG	CAAGCTATTG	TGTGTTGGGG	TGAGTTGATG	2100
AATCTGGCCA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCCAGGGA	ATTGGTAGTC	2160
AGCTATGTCA	ATGTTAATAT	GGGCCTAAAA	ATCAGACAAÇ	TATTGTGGTT	TCACATTTCC	2220
TGTCTTACTT	TTGGAAGAGA	AACGGTTCTT	GAGTATTTGG	TATCTGTTGG	AGTGTGGATT	2280
CGCACTCCTC	AAGCCTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCG	TCGCAGACGA	2400
AGGTCTAAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATCCC	2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	TCTCTATTCT	TCTACTGTAC.	CTGTCTTTAA	2520
TCCTGAGTGG	CAAACTCCCT	CCTTTCCTAA	TATTCATTTA	CAGGAGGATA	TTATTAATAG	
ATGTCAACAA	TATGTAGGCC	CTCTTACAGT	TAATGAAAAA	AGGAGATTAA	AATTAATTAT	2640
GCCTGCTAGG	TTCTATCCTA	ACCTTACCAA	ATATTTGCCC	TTGGATAAAG	GTATTAAACC	2700
TTATTATCCT	GAACATGCÁG	TTAATCATTA	TTTCAAAACT	AGGCATTATT	TACATACTCT	2760.
GTGGAAGGCT	GGCATTCTAT	ATAAGAGAGA	AACTACACGT	AGTGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGACAAG	2880
GCATGGGGAC	GAATCTTTCT	GTTCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
ACCCTGCATT	CGGAGCCAAC	TCAAACAATC	CAGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
ATTGGCCAGA	GGÇAĀATCAG	GTAGGAGCGG	GAGCATTTGG	GCCAGGGTTC	ACTCCACCAC	3060
ACGGCGGTCT	TTTGGGGTGG	AGCCCTCAGG	CTCAGGGCAT	ATTGACAACA	GTGCCAGCAG	3120

CGCCTCCTCC	TGCCTCTACC	AATCGGCAGT	CAGGAAGACA	GCCTACTCCC	ATCTCTCCAC	3180
CTCTAAGAGA	CAGTCATCCT	CAGGCCATGC	AGTGG		tie.	3215
			**			

(2) INFORMATION FOR SEQ ID NO: 298:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3212 base pairs
- (B) TYPE: nucleic acid(C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 298:

AACTCCACCA	CATTCCACCA	AGCTCTGCTA	GATCCCAGAG	TGAGGGGCCT	ATATTTTCCT	60
GCTGGTGGCT	CCAGTTCCGG	AACAGTAAAC	CCTGTTCCGA	CTACTGCCTC	ACCCATATCG	120
TCAATCTTCT	CGAGGACTGG	GGACCCTGCG	CCGAACATGG	AGAACACAAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGTG	GACTTCTCTC	AATTTTCTAG	GGGGAGCACC	CACGTGTCCT	300
GGCCAAAATT	CGCAGTCCCC	AACCTCCAAT	CACTCACCAA	CCTCTTGTCC	TCCAATTTGT	360
CCTGGCTATC	GCTGGATGTG	TCTGCGGCGT	TTTATCATAT	TCCTCTTCAT	CCTGCTGCTA	420
TGCCTCATCT	TCTTGTTGGC	TCTTCTGGAC	TACCAAGGTA	TGTTGCCCGT	TTGTCCTCTA	480
CTTCCAGGAA	CATCAACTAC	CAGCACGGGA	CCATGCAAGA	CCTGCACGAT	TCCTGCTCAA	540
GGAACCTCTA	TGTTTCCCTC	TTGTTGCTGT	ACÄAAACCTT	CGGACGGAAA	TTGCACTTGT	600
ATTCCCATCC	CGTCATCTTG	GGCTTTCGCA	AGATTCCTAT	GGGAGTGGGC	CTCAGTCCGT	660
	TCAGTTTACT		•			- 720
	CAGTTATATG					780
	TACCTCTATT				*	840
	:			5 - 5		
ATAAAACCAA	ACGTTGGGGC	TACTCCCTTA	ACTTCATGGG	ATATGTAATT	GGAAGTTGGG	900
GTACGTTACC	ACAGGAACAT	ATTGTACAAA	AAATCAAGCA	ATGTTTTCGG	AAACTGCCTG	960
TAAATAGACC	TATTGATTGG	AAAGTATGTC	AAAGAATTGT	GGGTCTTTTG	GGCTTTGCTG	1020
CCCCTTTTAC	ACAATGTGGT	TATCCTGCCT	TGATGCCTTT	ATATGCATGT	ATACAAGCTA	1080
AGCAGGCTTT	TACTTTCTCG	TCAACTTACA	AGGCCTTTCT	GTGTAAACAA	TATCTGCACC	1140
TTTACCCCGT	TGCCCGGCAA	CGGTCAGGTC	TCTGCCAAGT	GTTTGCTGAC	GCAACCCCCA	1200
CTGGATGGGG	CTTGGCCATA	GGCCATCGGC	GCATGCGTGG	AACCTTTGTG	GCTCCTCTGC	1260

	CGATCCATAC	TGCGGAACTC	CTAGCAGCTT	GTTTTGCTCG	CAGCCGGTCT	GGAGCGAAAC		1320
	TTATCGGGAC	TGACAACTCT	GTTGTCCTCT	CTCGGAAATA	CACCTCCTTC	CCATGGCTGC		1380
	TCGGATGTGC	TGCCAACTGG	ATCCTGCGCG	GGACGTCCTT	TGTCTACGTC	CCGTCGGCGC		1440
			TCTCGGGGTC GGGCGCACCT					1500 1560
	CTCATCTGCC	GGACCGTGTG	CACTTCGCTT	CACCTCTGCA	CGTCGCATGG	AGACCACCGT		1620
	GAACGCCCAT	CAGGTGTTGC	CCAAGGTCTT	ATATAAGAGG	ACTCTTGGAC	TTTCAGCAAT		1680
	GTCAACGACC	GACCTTGAGG	CATACTTCAA	AGACTGTTTG	TTTAAGGACT	GGGAGGAGTT		1740
	GGGGGAGGAA	CTTAGGTTAA	TGATCTTTGT	ACTAGGAGGC	TGTAGGCATA	AATTGGTCTG		1800
	TTCACCAGCA	CCATGCAACT	TTTTCACCTC	TGCCTAATCA	TCTCTTGTTC	ATGTCCTACT	٠.	1860
	GTTCAAGCCT	CCAAGCTGTG	CCTTGGGTGG	CTTTAGGACA	TGGACATTGA	CCCATATAAA		1920
	GAATTTGGAG	CTTCTGTGGA	GTTACTCTCT	TTTTTGCCTT	CTGACTTCTT	TCCTTCTATT		1980
	CGAGATCTCC	TCGACACCGC	CTCTGCTCTG	TATCGGGAGG	CCCTAGAGTC	TCCGGAGCAT		2040
	TGTACACCTC	ACCATACAGC	ACTCAGGCAA	GCTATTCTGT	GTTGGGGTGA	GTTGATGAAC	÷	2100
	CTGGCCACCT	GGGTGGGAAG	TAATTTGGAA	GATCCAACAT	CCAGGGAAGC	AGTAGTCAGC	•	2160
	TATGTCAATG	TTAATATGGG	CCTAAAACTC	AGACAACTAT	TGTGGTTTCA	CATTTCCTGT		2220
	CTTACTTTTG	GAAGAGATAC	TGTTCTTGAG	TATTTGGTGT	CTTTTGGAGT	GTGGATTCGC		2280
	ACTCCTACCG	CTTACAGACC	ACCAAATGCC	CCTATCTTAT	CAACACTTCC	GGAAACTACT		2340
	GTTGTTAGAC	GACGAGGCAG	GTCCCCTAGA	AGAAGAACTC	CCTCGCCTCG	CAGACGAAGG		2400
	TCTCAATCGC	CGCGTCGCAG	AAGATCTCAA	TCTCGGGAAC	CTCAATGTTA	ATGTCCCTTG		2460
	GACTCATAAG	GTGGGAAACT	TTACAGGACT	TTACTCTTCT	ACTGTACCTG	TCTTTAATCC		2520
	TGAGTGGCAA	ACTCCCTCCT	TTCCTAACAT	TCATTTACAG	GAGGACATTA	TTGATAGATG		2580
•	TCAACAATAT	GTGGGCCCTC	TTACAGTTAA	TGAAAAAAGG	AGATTAAAAT	TAATTATGCC	-	2640
	TGCTAGGTTT	TATCCAAACC	TTACCAAATA	TTTGCCCTTG	GATAAAGGCA	TTAAACCTTA	ني.	2700
	TTATCCTGAA	CATGCAGTTA	ATCATTACTT	TCAAACTAGG	CATTATTTAC	ATACTCTGTG		2760
	GAAGGCTGGC	ATTCTATATA	AGAGAGAAAC	TACCCGCAGC	GCTTCATTTT	GTGGGTCACC		2820
	ATATTCTTGG	GAACAAGAGC	TACAGCATGG	GAGGTTGGTC	TTCCAAACCT	CGACAAGGCA		2880
	TGGGGACGAA	TCTTTCTGTT	CCCAATCCTC	TGGGATTCTT	TCCCGATCAC	CAGTTGGACC		2940
	CTGCGTTCGG	AGCCAACTCA	AACAATCCAG	ATTGGGACTT	CAACCCCAAC	AAGGATCATT		3000
	GGCCAGAGGC	CAATCAGGTA	GGAGTGGGAG	CATTCGGGCC	AGGGTTCACC	CCACCACACG		3060
	GCGGTCTTTT	GGGGTGGAGC	CCTCAGGCTC	AGGGCATATT	GACAACAGTG	CCAGCAGCGC		3120
	CTCCTCCTGC	CTCTACCAAT	CGGCAGTCAG	GAAGACAGCC	AACTCCCATC	TCTCCACCTC	_	3180
	TAAGAGACAG	TCATCCTCAG	GCCATGCAGT	GG				3212

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 299;

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AACTCCACAA	CATTCCAACA	AGCTCTGCAG	GATCCCAGAG	TCAGGGTCCT	TTATTTTCCT	60
GCTGGTGGCT	CCAGTTCCGG	AACAGTAAAC	CCTGTTCCGA	CTACTGCCTC	TCTCATTTCG	120
TCAATCTTCT	CGAGGATTGG	GGACCCTGTA	ACGAACATGG	AGAACACAAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAAAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	ACCCGTGTGT	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GAACATCAAC	TACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	540
CAAGGAACCT	CTATGTTTÇC	CTCATGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GTAAGATTCC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGCGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGTTAT	AŢGGĄŢĢAŢG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	780
TTGAGTCCCT	TTATACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	840
СТААТААААС	CAAAAGATGG	GGCTATTCCC	TTAACTTCAT	GGGCTATGTA	ATTGGAAGTT	- 900
GGGGTACCTT	ACCACAAGAA	CATATTGTAC	тааааатсас	ACAATGTTTT	CGAAAACTTC	960
CTGTTAATAG	GCCTATTGAT	TGGAAAGTGT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCCCCTTT	TACACAATGT	GGGTATCCTG	CCTTAATGCC	CTTGTATGCC	TGTATTCAAG	1080
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ATAAGGCCTT	TCTGTGTAAA	CAATATCTGA	1140
	CGTTGCCCGG					1200
	GGGCTTGGCC					1260
	TACTGCGGAA			•		1320
	AACCGACAAC			21		1380
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TGCTGCCAAC					1440
CGCTGAATCC	CGCGGACGAC	CCGTCTCGCG	GCCGTTTGGG	GCTCTACCGT	CCCCTTCTTT	1500

GTCTGCGGTT	CCGGCCAACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAAACCAC	1620
CGTGAACGCC	CACATGGTCT	TGCCCAAGGT	CTTGCATAAG	AGAACTCTTG	GACTCTCAGC	1680
AATGTCAACG	ACCGACCTTG	AGGCATATTT	CAAAGACTGT	GTGTTCAAAG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGGTTAGAT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCATG	TTCATGTCCT	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGATTŢ	CTTTCCATCT	1980
ATTCGAGACC	TCCTCGACAC	CGCCTCAGCT	CTGTATCGGG	AGGCCTTAGA	GTCTCCGGAG	2040
CATTGTTCAC	CTCACCATAC	AGCACTCAGG	CAAGCTGTTC	TGTGTTGGGG	TGAGTTAATG	2100
AATCTGGCTA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCAAGAGA	ATTGGTAGTC	2160
AGTTATGTCA	ATGTTAATAT	GGGCCTAAAA	ATCAGGCAAC	TGTTGTGGTT	TCATATTTCC	2220
TGTCTTACTT	TTGGAAGAGA	AACTGTTCTT	GAGTACTTGG	TGTCCTTTGG	AĞTGTGGATT	2280
CGCACTCCTC	CCGCTTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGAAGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCCCAATG	TTAGTATCCC	2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	GCTTTATTCT	TCTACTGTAC	CTGTCTTTAA	2520
TCCTGAATGG	CAAACTCCCT	CTTTTCCTGA	CATTCATTTG	CAGGAGGACA	TTATTAATAG	2580
ATGTCAACAA	TATGTGGGCC	CTCTTACAGT	TAATGAAAA	AGAAGATTAA	AATTAATTAT	2640
GCCTGCTAGG	TTTTATCCTA	ACCTTACTAA	ATATTTGCCC	TTAGACAAAG	GCATTAAACC	2700
TTATTATCCA	GAACAGACAG	TTAATCATTA	CTTCAAAACT	AGGCATTATT	TGCATACTCT	2760
GTGGAAGGCT	GGTAGTCTAT	ATAAGAGAGA	AACTACACGC	AGCGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCTTCAAAA	CCTCGGAAAG	2880
GCATGGGGAC	GAATCTTTCG	GTACCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
ACCCTGCGTT	CGGAGCCAAC	TCAAACAATC	CCGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
ACTGGCCAGA	GGCAAATCAG	GTAGGAGCGG	GAGCATTCGG	GCCAGGGTTC	ACCCCACCAC	3060
ACGGAGGTCT	TTTGGGGTGG	AGCCCTCAGG	CCCAGGGCAT	ATTGACAACA	GTGCCAGCAG	3120
СТССТССТТС	TGCCTCCACC	AATCGGCAGT	CAGGAAGACA	GCCTACGCCC	ATCTCTCCAC	3180
CTCTAAGAGA	CAGTCATCCT	CAGGCCATGC	AGTGG			3215
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(2) INFORMATION FOR SEQ ID NO: 300:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3215 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 300:

AACTCCACAA	CATTCCAACA	AGCTCTGCTA	GATCCCAGAG	TGAGGGGCCT	ATATTTTCCT	60
GCTGGTGGCT	CCAGTTCCGG	AACAGTAAAC	CCTGTTCCGA	CTACTGCCTC	TCTCATTTCG	,120
TCAATCTTCT	CGAGGACTGG	GGACCCTGTA	ACGAACATGG	AGAACACAAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGGG	GTGGACTTCT	CTCAATTTTC	TAGGGGAAGC	ACCAAGGTGT	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
CTATGCCTCÀ	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GAACATCAAC	TACCAGCACG	GGACCATGCA	AGACCTGCAC	GATTCCTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCATGTTGC	TGTACAAAAC	CTTCGGACGG	AAACTGCACT	600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GTAAGATTCC	TATGGGAGTG	GGCCTCAGTC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGCGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	780
TTGAGTCCCT	TTATACCTCT	ATTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTGAACC	840
	CAAAAGATGG ACCACAAGAA	GGCTATTCCC		GGGCTATGTA ACAATGTTTT		900 960
		TGGAAGGTCT				1020
		GGATATCCTG			1	1080
						1140
		TCGTCAACTT				
	•	CAACGGTCTG				1200
	•	ATTGGCAATC		-	-	1260
		CTCCTAGCAG				1320
*		TCTGTCGTCC	•			1380
			•		GTCCCGTCGG	
					CCCCTTCTTC	
•		ACGGGGCGCA				1560
		GTGCACTTCG				1620
CGTGAACGCC	CACATGGTAT	TGCCCAAGGT	CTTGCATAAG	AGGACTCTTG	GACTCTCAGC	1680

GATGTCAAÇG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	GTATTTAAAG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGAT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTĢCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCATG	TTCATGTCCT	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCTTTTTTGC	CTTCTGATTT	CTTTCCATCT	1980
ATTCGAGACC	TCCTCGACAC	CGCCTCAGCT	CTGTATCGGG	AGGCCTTAGA	GTCTCCGGAA	2040
CATTGTTCAC	CTCACCATAC	AGCACTCAGG	CAAGCTGTTC	TGTGTTGGGG	TGAGTTAATG	2100
AATCTGGCTA	CCTGGGTGGG	AAGTAATTTG	GAAGACCCAG	CATCCAGGGA	ATTAGTGGTC	2160
AGTTATGTCA	ACATTAATAT	GGGCCTAAAA	ATCAGACAAC	TATTGTGGTT	TCACATTTCC	2220
TGTCTTACTT	TTGGAAGAGA	AACTGTTCTT	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280
CGCACTCCTC	CCGCTTACAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGTCGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	. 2400
AGGTCTCAAT	CACCGCGTCG	CAGAAGATCT	CAATCTCGGG	-AATCCCAATG	TTAGTATCCC	2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACTGG	GCTTTATTCT	TCTACTGTAC	CTGTCTTTAA	2520
TCCTGAATGG	CAAACTCCCT	CTTTTCCTGA	CATTCATTTG	CAGGAGGACÀ	TTATTAATAG	2580
ATGTCAACAA	TATGTGGGCC	CTCTTACAGT	TAATGAAAAA	AGAAGATTAA	AATTAATTAT	2640
GCCTGCTAGG	TTTTATCCTA	ACCTTACCAA	ATATTTGCCC	TTAGATAAAG	GCATTAAACC	2700
TTATTATCCT	GAACATGCAG	TTAAŢCATTA	CTTCAAAACA	AGGCATTATT	TACATACTCT	2760
GTGGAAGGCT	GGCATCTTAT	ATAAAAGAGA	AACTACACGC	AGTGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGGTTG	GTCTTCCAAA	CCTCGGAAAG	2880
GCATGGGGÄC	GAATCTTTCT	GTTCCCAATC	CTCTGGGATT	CTTTCCCGAT	CACCAGTTGG	2940
ACCCTGCATT	CGGAGCCAAC	TCAAACAATC	CAGATTGGGA	CTTCAACCCC	AACAAGGATC	3000
AATGGCCAGA	GGCAAATCAG	GTAGGAGCGG	GAGCATTCGG	GCCAGGGTTC	ACCCCACCAC	3060
ACGGAGGTCT	TTTGGGGTGG	AGCCCTCAGG	CACAAGGCAT	ATTGACAACA	CTGCCAGCAG	3120
CTCCTCCTCC	TGCCTCCACC	AATCGGCAGT	CAGGAAGACA	GCCTACGCCC	ATCTCTCCAC	3180
CTCTAAGAGA	CAGTCATCCT	CAGGCCATGC	AGTGG	*	÷	3215

(2) INFORMATION FOR SEQ ID NO: 301:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3161 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 301:

		· ·						
	AATTCCACAA	CCTTCCACCA	AACTCTACAA	GATCCCCCTG	CTGGTGGCTC	CAGTTCAGGA		60
	ACAGTAAACC	CTGTTCCGAC	TACTGTCTCT	CACATATCGT	CAATCTTCAC	GAGGATTGGG		120
	GACCCTGCAC	TGAACATGGA	GAACATCACA	TCAGGATTCC	TAGGACCCCT	GCTCGTGTTA		130
	CAGGCGGGGT	TTTTCTTGTT	GACAAGAATC	CTCACAATAC	CGCAGAGTCT	AGACTCGTGG		240
	TGGACTTCTC	TCAATTTTCT	AGGGGGAACT	ACCGTGTGTC	TTGGCCAAAA	TTCGCAGTCC		300
	CCAACCTCCA	ATCACTCACC	AACCTCCTGT	CCTCCAACTT	GTCCTGGTTA	TCGCTGGATG		360
	TGTCTGCGGC	GTTTTATCAT	CTTCCTCTTC	ATCCTGCTGC	TATGCCTCAT	CTTCTTGTTG		420
	GTTCTTCTGG	ACTATCAAGG	TATGTTGCCC	GTTTGTCCTC	TAATTCCAGG	ATCTTCAACC		480
	ACCAGCACGG	GACCATGCAG	GACCTGCACG	ACTCCTGCTC	AAGGCAACTC	TATGTATCCC		540
		GTACCAAACC GAAAATTCCT			GTATTCCCAT GTTTCTCCTG	7		600 660
	CTAGTGCCAT	TTGTTCAGTG	GTTCGTAGGG	CTTTCCCCCA	CTGTTTGGCT	TTCAGTTATA		720
	TGGATGATGT	GGTATTGGGG	GCCAAGTCTG	TACAGCATCT	TGAGTCCCTT	TTTACCGCTG		780.
	TTACCAATTT	TCTTTTGTCT	TTGGGCATAC	ATTTAAACCC	TAACAAAACA	AAAAGATGGG		840
	GTTACTCTTT	ACACTTCATG	GGCTATGTCA	TTGGATGTTA	TGGGTCATTG	CCACAAGATC		900
	ACATCAGAÇA	GAAAATCAAA	GAATGTTTTA	GAAAACTTCC	TGTTAACAGG	CCTATTGATT		960
	GGAAAGGCTG	TCAACGAATT	GTGGGTTTAT	TGGGTTTTGC	TGCCCCTTTT	ACACAATGTG		1020
	GTTATCCTGC	GTTGATGCCT	TTGTATGCAT	GTATTCAATC	TAAGCAGGCT	TTCACTTTCT	:	1080.
	CGCCAACTTA	CAAGGCCTTT	CTGTGTAAAC	AATACCTGAA	CCTTTACCCC	GTTGCCCGGC		1140
	AACGGCCAGG	TCTGTGCCAA	GTGTTTGCTG	ACGCAACCCC	CACTGGCTGG	GGCTTGGTCA	•	1200
	TGGGCCATCA	GCGCATGCGT	GGAACCTTTC	GGGCTCCTCT	GCCGATCCAT	ACTGCGGAAC	, , ,	1260
	TCCTAGCCGC	TTGTTTTGCT	CGCAGCAGGT	CTGGAGCAAA	CATTCTCGGG	ACGGATAACT		1320
	TTGTTGTCCT	ATCCCGCAAA	TATACATCGT	TTCCATGGCT	GCTAGGCTGT	GCTGCCAACT		1380
	GGATCCTGAG	CGGGACGTCC	TTCGTTTACG	TCCCGTCGGC	GCTGAATCCA	GCGGACGACC	-	1440
	CTTCTCGGGG	CCGCTTGGGA	CTCTCTCGTC	CCCTTCTCCG	TCTGCCGTTT	CGTCCGACCA	8	1500
	CGGGGCGCAC	CTCTCTTTAC	GCGGACTCCC	CGTCTGTGCC	TTCTCATCTG	CCGGACCGTG		1560
•	TGCACTTCGC	TTCACCTCTG	CACGTCGCAT	GGAGACCACC	GTGAACGCCC	ACCAATTCTT	:	1620
	GCCCAAGGTC	TTACATAAGA	GGACTCTTGG	ACTCTCAGCA	ATGTCAACGA	CCGACCTTGA	• •	1680
	GGCATACTTC	AAAGACTGTT	TGTTTAAAGA	GTGGGAGGAG	TTGGGGGAGG	AGATTAGATT	:	1740
	AAAGTTGTTT	GTATTAGGAG	GCTGTAGGCA	TAAAŢTGGTC	TGCGCACCAG	CACCATGCAA		1800
	CTTTTTCACC	TCTGCCTAAT	CATCTCTTGT	TCATGTCCTA	CTGTTCAAGC	CTCCAAGCTG	•	1860

TGCCTTGGGT	GGCTTTAGGA	CATGGACATT	GATCCTTATA	AAGAATTTGG	AGCTTCTATG	1920
GAGTTGCTCT	CGTTTTTGCC	TTCTGACTTC	TATCCTTCAG	TACGAGATCT	TCTAGATACC	1980
GCCTCAGCTC	TATATCGGGA	AGCCTTAGAG	TCTCCTGAGC	ATTGTACACC	TCATCATACT	2040
GCACTCAGGC	AAGCAATTCT	TTGCTGGGGG	GAATTAATGA	CTCTAGCCAC	CTGGGTGGGT	2100
GGTAATTTGC	AAGATCCAAC	ATCCAGGGAC	CTAGTAGTCA	GTTATGTTAA	CACTAATATG	2160
GGCCTAAAGT	TCAGGCAACT	ATTGTGGTTT	CACGTTTCTT	GTCTCACTTT	TGGAAGAGAA	2220
ACAGTÇGTAG	AGTATTTGGT	GTCTTTTGGA	GTGTGGATTC	GCACTCCTCA	AGCTTATAGA	2280
CCACCAAATG	CCCCTATCTT	ATCAACACTT	CCGGAGACTT	GTGTTGTTAG	ACGACGAGGC	2340
AGGTCCCCTA	GAAGAAGAAC	TCCCTCGCCT	CGCAGACGAA	GGTCTCAATC	GCCGCGTCGC	. 2400
AGAAGATCTC	AATCTCGGGA	ATCTCAATGT	TAGTATTCCT	TGGACTCATA	AGGTGGGAAA	2460
CTTTACGGGG	CTTTATTCTT	CTACTGTTCC	TGTCTTTAAC	CCTCATTGGA	AAACACCCTC	2520
TTTTCCTAAT	ATACATTTAC	ACCAAGACAT	TATCAAAAAA	TGTGAACAAT	TTGTAGGCCC	2580
ACTCACAGTC	AATGAGAAAA	GAAGACTGCA	ATTGATTATG	CCTGTCAGGT	TTTATCCAAT	2640
GGTTACCAAA	TATTTGCCAT	TGGATAAGGG	TATTAAACCG	TATTATCCAG	AACATCTAGT	2700
TAATCATTAC	TTCCAAACCA	GACATTATTT	ACACACTCTA	TGGAAGGCGG	GTGTATTATA	2760
TAAGAGAGAA	ACAACACATA	GCGCCTCATT	TTGTGGATCA	CCATATTCTT	GGGAACAAGA	2820
GATACAGCAT	GGGGCAGAAT	CTTTCCACÇA	GCAATCCTCT	GGGATTCTTT	CCCGACCACC	2880
AGTTGGATCC	AGCCTTCAGA	GCAAACACCG	CAAATCCAGA	TTGGGACTTC	AATCCCAACA	2940
AGGACACCTG	GCCAGACGCC	AACAAGGTAG	GAGCTGGAGC	ATTCGGGCTG	GGACTCACCC	3000
CACCGCACGG	AGGCCTTTTG	GGGTGGAGCC	CTCAGGCTCA	GGGCATACTA	CAGACCGTGC	3060
CAGCAAATCC	GCCTCCTGCC	TCTACCAATC	GCCAGACAGG	AAGGCAGCCT	ACCCCTCTGT	3120
CTCCACCTTT	GAGAGACACT	CATCCTCAGG	CCATGCAGTG	G .	. *	3161
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(2) INFORMATION FOR SEQ ID NO: 302:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3182 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 302:

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		GCTGGTGGCT	CCAGTTCAGG	AACAGTAAAC	CCTGTTCCGA	CTACTGCCTC	TCACTTATCG	120		,	
		TCAATCTTCT	CGAGGATTGG	GGACCCTGCG	CTGAACATGG	AGAACATCAC	ATCAGGATTC	180			
		CTAGGACCCC	. TTCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240		e ^r	Ť a
		CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAAC	TACCGTGTGT	300			
				CCCAACCTCC GTGTCTGCGG				360 420			
		CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT	480			
	,	CTAATTCCAG	GATCCTCAAC	CACCAGCACG	GGACCATGCC	GAACCTGCAC	GACTCCTGCT	540			
	4.	CAAGGAACCT	CTATGTATCC	CTCCTGTTGC	TGTACCAAAC	CTTCGGACGG	AAATTGCACC	600			
		TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GGAAAATTCC	TATGGGAGTG	GGCCTCAGCC	660			
~		CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720			
		ACTGTTTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCÇAAGTCT	GTACAGCATC	780			
•	,	TTGAGTCCCT	TTTTACCGCT	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	840			
		CTAACAAAAC	AAAGAGATGG	GGTTACTCTC	TAAATTTŢAT	GGGCTATGTC	ATTGGATGTT	900			
	,	ATGGGTCCTT	GCCACAAGAA	CACATCATAC	ААААААТСАА	AGAATGTTTT	AGAAAACTTC	960			
9.		CTGTTAACAG	GCCTATTGAT	TGGAAAGTAT	GTCAACGAAT	TGTGGGTCTT	TTGGGTTTTG	1020			,
e **				GGTTATCCTG			×	1080			
				TCGCCAACTT				1140			
\$ 4 ×	•			CAACGCCAG				1200		,_	
				ATGGGCCATC				1260			
	•	•				•		1320		\$	
				CTCCTAGCCG							-
		1	•				TTTCCATGGC				
				TGGATCCTGC				1440			•
		CGCTGAATCC	CGCGGACGAC	CCGTCTCGGG	GTCGCTTGGG	ACTCTCTCGT	CCCCTTCTCC	1500			
		GTCTGCCGTT	CCGACCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTGC	1560			
		CTTCTCATCT	GCCTGACCTT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620			
		CGTGAACGCC	CACCAAATAT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCTGC	1680		*	
-		AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	$\mathtt{TTGTTTAAA}_{\widehat{A}}\mathtt{G}$	ACTGGGAGGA	1740			
		GTTGGGGGAG	GAÇATTAGAT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800	:		
	*	CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCT	1860			
		ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920			
		AAAGAATTTĢ	GAGCTACCGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCA	1980			
7.7		GTACGAGATC	TTCTAGATAC	CGCCTCAGCT	CTGTATCGGG	ATGCCTTAGA	GTCTCCTGAG	2040	() . *		
. *		CATTGTTCAC	CTCACÇATAC	TGCACTCAGG	CAAGCAATTC	TTTGCTGGGG	GGAACTAATG	2100			
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	· .		16							· · ·	

ACTCTAGCTA	CCTGGGTGGG	TGTTAATTTG	GAAGATCCAG	CATCTAGGGA	CCTAGTAGTC	2160
AGTTATGTCA	ACACTAATAT	GGGCCTAAAG	TTCAGACAAC	TCTTGTGGTT	TCACATTTCT	2220
TGTCTCATTT	TTGGAAGAGA	AACAGTTATA	GAGTATTTGG	TGTCTTTCGG	AGTGTGGATT	2280
CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCC	TATCAACACT	TCCGGAGACT	2340
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460
TTGGACTCAT	AAGGTGGGGA	ATTTTACTGG	GCTTTATTCT	TCTACTGTAC	CTGTCTTTAA	2520
TCCTCATTGG	AAAACACCAT	CTTTTCCTAA	TATACATTTA	CACCAAGACA	TTATCAAAAA	2580
ATGTGAACAG	TTTGTAGGCC	CACTCACAGT	TAATGAGAAA	AGAAGATTGC	AATTGATCAT	2640
GCCTGCTAGG	TTTTATCCAA	AGGTTACCAA	ATATTTACCA	TTGGATAAGG	GTATTAAACC	2700
TTATTATCCA	GAACATCTAG	TTAATCATTA	CTTCCAAACT	AGACACTATT	TACACACTCT	2760
ATGGAAGGCG	GGTATATTAT	ATAAGAGAGA	AACAACACAT	AGCGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	ATCTACAGCA	TGGGGCAGAA	TCTTTCCACC	AGCAATCCTC	2880
TGGGATTCTT	TCCCGACCAC	CAGTTGGATC	CAGCCTTCAG	AGCAAACACC	GCAAATCCAG	2940
ATTGGGACTT	CAATCCCAAC	AAGGACACCT	GGCCAGACGC	CAACAAGGTA	GGAGCTGGAG	3000
CATTCGGGCT	GGGTTTCACC	CCACCGCACG	GAGGCCTTTT	GGGGTGGAGC	CCTCAGGCTC	3060
AGGGCATACT	ACAAACTTTG	CCAGCAAATC	CGCCTCCTGC	CTCCACCAAT	CGCCAGTCAG	3120
GAAGGCAGCC	TACCCCTCTG	TCTCCACCTT	TGAGAAACAC	TCATCCTCAG	GCCATGCAGT	3180
GG						3182

(2) INFORMATION FOR SEQ ID NO: 303:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3182 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 303:

	CTTTCCACCA CCAGTTCAGG					60 120
TÇAATCTTCT	CGAGGATTGG	GGACCCTGTG	ACGAATATGG	AGAACATCAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	GAGGGGAAC	TACCGTGTGT	300_

. •	CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCCTG	TCCTCCAACT	360
	TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	GGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
	CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GAGTATCAAG	GTATGTTGCA	CGTTTGTCCT	480
	CTAATTCCAG	GAACAACAAC	AACCAGTACG	GGACCATGCA	AAACCTGCAC	GACTCCTGCT	540
	CAAGGCAACT	CTATGTTTCC	CTCATGTTGC	TGTACCAAAA	CTTCGGATGG	AAATTGCACC	600
	TGTATTCCCA	TCCCATCGTC	TTGGGCTTTC	GCAAAATACC	TATGGGAGTG	GGCCTCAGTC	660
	CGTTTCTCTT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
	ACTGTTTGGC	TTTCAGCTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAGCATC	780
	TTGAGTCCCT	TTTTACCGCT	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAACC	840
	CTAACAAAAC	AAAGAGATGG	GGTTACTCTT	TACATTTCAT	GGGCTATGTC	ATTGGATGTT	. 900
	ATGGGTCCTT	GCCACAAGAA	CACATCATAC	AAAAAATCAA	AGAATGTTTT	AGAAAAGTTC	960
	CTGTTAACAG	GCCTATTGAT	TGGAAAGTAT	GTCAACGAAT	TGTGGGTCTT	TTAGGTTTTG	1020
	CTGCCCCTTT	CACACAATGT	GGTTATCCTG	CTTTAATGCC	CTTGTATGCT	TGTATTCAAT	1080
	TTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATACCTGA	1140
	ACCTTTACCC	CGTTGCCCGG	CAACGGCCAG	GTCTATGCCA	AGTGTTTGCT	GACGCAACCC	1200
j	CCACTGGCTG	GGGCTTGGGT	ATGGGCCATC	AGCGCATGCG	TGGAACCTTT	TCGGCTCCTC	1260
	TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CCTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320
	ACATTCTCGG	GACGGATAAC	TCŢGTTGTTC	TCTCCCGCAA	ATATACATCG	TTTCCATGGC	1380
	TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
•	CGCTGAATCC	CGCGGACGAC	CCTTCTCGGG	GCCGCTTGGG	ACTCTCTCGT	CCCCTTCTCT	1500
	GTCTGCCGTT	TCGACCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTGC	1560
	CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
	CGTGAACGCC	CATCAGATCC	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCCCAGC	1680
Č.,	AATGTCAACG	AÇCGACCTTG	AGGCCTACTT	CAAAGACTGT	GTGTTTAAGG	ACTGGGAGGA	1740
	GCTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
	CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TACATGTCCC	1860
	ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
	AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCC	1980
	GTACGAGATC	TCCTÄGACAC	CGCCTCAGCT	CTGTATCGGG	AAGCCTTAGA	GTCTCCTGAG	2040
	ÇATTGTTCAC	CTCACCATAC	TGCACTCAGG	CAAGÇAATTC	TTTGCTGGGG	GGAACTAATG	2100
•	ACTCTAGCTA	CCTGGGTGGG	TGTTAATTTG	GAAGATCCAG	CATCTAGAGA	CCTAGTAGTC	2160
	AGTTATGTCA	ACACTAATAT	GGGCTTAAAG	TTCAGGCAAC	TCTTGTGGTT	TCACATTTCT	2220
	TGTCTCACTT	TTGGAAGAGA	AACAGTTATA	GAGTATTTGG	TGGCTTTCGG	AGTGTGGATT	2280
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CGCACTCÇTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCC	TATCAACACT	TCCGGAGACT.	2340
ACTGTTGTTA	GAÇGAÇGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACGGG	GTTTTATTCT	TCTACTGTTC	CTGTCTTTAA	2520
CCCTCATTGG	GAAACCCCCT	CTTTTCCTAA	TATACATTTA	CACCAAGACA	TTATCAAAAA	2580
ATGTGAACAG	TTTGTAGGCC	CACTCACAGT	TAATGAGAAA	AGAAGATTGC	AATTGATTAT	2640
GCCTGCTAGG	TTTTATCCAA.	AGGTTACCAA	ATATTTACCA	TTGGATAAGG	GTATTAAACC	2700
TTATTATCCA	GAACATCTAG	TTAATCATTA	CTTCCAAACT	AGACACTATT	TACACACTCT	2760
ATGGAAGGCG	GGTATATTAT	ATAAGAGAGA	AACAACACAT	AGCGCCTCAT	TTTGTGGGTC	282,0
ACCATATTCT	TGGGAACAAG	ATCTACAGCA	TGGGGCAGAA	TCTATCCACC	AGCAATCCTC	2880
TGGGATTCTT	TCCCGACCAC	CAGTTGGATC	CAGCCTCCAG	AGCAAACACC	GCAAATCCAG	2940`
ATTGGGACTT	CAATCCCAAC	AAGGACACCT	GGCCAGACGC	CAACAAGGAT	GGAGCTGGAG	3000
CATTCGGGCT	GGGACTCACC	CCACCGCACG	GAGGCCTTTT	GGGGTGGAGC	CCTCAGGCTC	3060
AGGGCATACT	ACACACCGTG	CCAGCAAATC	CGCCTCCTGC	CTCTACCAAT	CGCCAGACAG	3120
GAAGGCAACC	TACCCCTCTG	TCTCCACCTT	TGAGAGACAC	TCATCCTCAG	GCCGTGCAGT	3180
GG	* ()				· "	3182

(2) INFORMATION FOR SEQ ID NO: 304:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3182 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 304:

AACTCCACAA	CCTTCCACCA	AACTCTGCAA	GATCCCAGAG	TGAGAGGCCT	GTATTTCCCT	60
GCTGGTGGCT	CCAGTTCAGG	AACAGTAAAC	CCTGTTCTGA	CTACTGCCTC	TCCCTTATCG	120
TCAATCTCCG	CGAGGACTGG	GGACCCTGCA	CTGAACATGG	AGAACATCAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAAC	TACCGTGTGT	300
CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAACT	 360
TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420

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	CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT	480	
. •	CTAATTCCAG	GATCTTCAAC	AACCAGCACG	GGACCATGCA	GAACCTGCAC	GACTCCTGCT	540	
	CAAGGAACCT	CTATGTATCC	CTCCTGTTGC	TGTACCAAAC	CTTCGGACGG	AAATTGCACC	600	
	TGTATTCCCA	TCCCATCATC	TTGGGCTTTC	GGAAAATTCC	TATGGGAGTG	GGCCTCAGCC	660	
	CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTŢCAGT	GGTTCGTAGG	GCTTTCCCCC	720	
	ACTGTTTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAGCATC	780	
	TTGAGTCCCT	TTTTACCGCT	GTTACCAATT	TTCTTTTGTC	TCTGGGTATA	CATTTAAACC	840	
	CTAACAAAAC	AAAAAGATGG	GGTTATTCCC	TAAACTTCAT	GGGTTACATA	ATTGGAAGTT	900	
4	GGGGAACGTT	GCCACAAGAT	CATATTGTAC	AAAAGATCAA	AGAATGTTTT	AGAAAACTTC	960	
	CTGTTAACAG	GCCTATTGAT	TGGAAAGTAT	GGCAACGAAT	TGTGGGTCTT	TTGGGCTTTG	1020	
.*	CTGCTCCATT	TACACAATGT	GGATATCCTG	CCTTAATGCC	TTTGTATGCC	TGTATACAAG	1080	
	CTAAACAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTAAGTAAA	CAGTACATGA	1140	
	ACCTTTACCC	CGTTGCTCGG	CAACGGCCTG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200	
	CCACTGGCTG	GGGCTTGGCA	ATAGGCAATC	AGCGCATGCG	TGGAACCATT	GTGGCTCCTC	1260	
*	TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCCGG	TCTGGGGCAA	1320	
	AGCTCATCGG	AACTGACAAT	TCTGTTGTCC	TCTCGCGGAA	ATATACATCG	TTTCCATGGC	1380	.•
	TGCTAGGTTG	TACTGCCAAC	TGGATCCTTC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440	*
	CGCTGAATCC	CGCGGACGAC	CCTTCTCGGG	GCCGCTTGGG	ACTCTCTCGT	CCCCTTCTCC	1500	
	GTCTGCCGTT	CCAGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560	*
	CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACATTGCA	TGGAGACCAC	1620	*
•	CGTGAACGCC	CATCAGATTA	TGCCCAAGGT	TTTACATAAG	AGGACTCTTG	GACTCCCAGC	1680	
. •	AATGTÇAACG	ACCGACCTTG	AGGCCTACTT	CAAAGACTGT	GTGTTTAAGG	ACTGGGAGGA	1740	*
-	GCTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800	* * ;
	CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCT	-1860	
	ACTGTTCÄAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTAGG	GCATGGACAT	TGACCCTTAT	1920	
	AAACAATTTG	GAGCTACTGT	GGAGTTACTC	CCGTATTTGC	CTTCTGACTT	CTTTCTCTAC	1980	
	GTACGAGATC	TCCTAGATAC	CGCCTCAGCT	CTGTATCGGG	AAGCCTTAGA	GTCTCCTGAG	2040	
	CATTGTTCAC	CTCACCATAC	TGCACTCAGG	CAAGCAATTC	TTTGCTGGGG	GGAACTAATG	2100	
	ACTCTAGCTA	CCTGGGTGGG	TGTTAATTTG	GAAGATCCAG	CATCTAGAGA	CTTAGTAGTC	2160	
•	AGTTATGTCA	ACACTAATAT	GGGCCTAAAG	TTCAGGCAAC	TCTTGTGGTT	TCACATTTCT	2220	8
	TGTCTCACTT	TTGGAAGAGA	AACAGTTATA	GAGTATTTGG	TGTCTTTCGG	AGTGTGGATT	2280	
	CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCC	TATCAACACT	TCCGGAGACT	2340	
	ACTGTTGTTA	CACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TGCCAGACCA	2400	
en e	X	* *		9-	. (3)	• • •		, , ;
						*		* * *

AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460
TTGGACTCAT	AAGGTGGGGA	ACTTTACGGG	GCTTTATTCT	TCTACTGTTC	CTGTCTTTAA	2520
TCCTCATTGG	AAAACACCTT	CTTTTCCTAA	TATACATTTA	CACCAAGACA	TTATCAAAAA	2580
ATGTGAACAA	TTTGTAGGCC	CACTCACAGT	CAATGAGAAA	AGAAGACTGC	AATTGATTAT	2640
GCCTGCTAGG	TTTTATCCAA	ATGTCACCAA	ATATTTGCCA	TTGGATAAGG	GTATTAAACC	2700
TTATTATCCA	GAGCATCTAG	TTAATCATTA	CTTCCAAAÇC	AGACATTATT	TACACACTCT	2760
ATGGAAGGCG	GGTATATTAT	ATAAGAGAGA	AAÇAACACAT	AGCGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGGCAGAA	TCTTTCCACC	AGCAATCCTC	2880
TGGGATTCTT	TCCCGACCAC	CAGTTGGATC	CAGCCTTCAG	AGCAAACACC	GCAAATCCAG	2940
ATTGGGACTT	CAATCCCAAC	AAGGACACCT	GGCCAGACGC	CAACAAGGTA	GGAGCTGGAG	3000
CATTCGGGCT	GGGTTTCACC	CCACCGCACG	GAGGTCTTTT	GGGGTGGAGC	CCTCAGGCTC	3060
AGGGCATACT	ACATACCGTG	CCAGCAAATC	CGCCTCCTGC	CTCTACCAAT	CGCCAGTCAG	3120
GAAGGCAGCC	TACCCCTCTG	TCTCCACCTT	TGAGAAACAC	TCATCCTCAG	GCCATGCAGT	3180
GG	· ·					3182

(2) INFORMATION FOR SEQ ID NO: 305:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3182 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 305:	
AACTCCACAA CCTTCCACCA AACTCTGCAA GATCCAAGAG TGAGAGGCCT	GTATTTCCCT 60
GCTGGTGGCT CCAGTTCAGG AACAGTAAAC CCTGTTCTGA CTACTGCCTC	TCCCTTATCG 120
TCAATCTCCG CGAGGACTGG GGACCCTGTG ACGATCATGG AGAACATCAC	ATCAGGATTC 180
CTAGGACCCC TGCTCGTGTT AGAGGCGGGG TTTTTCTTGT TGACAAGAAT	CCTCACAATA 240
CCGCAGAGTC TAGACTCGTG GTGGACTTCT CTCAATTTTC TAGGGGGAAC	TACCGTGTGT 300
CTTGGCCAAA ATTCGCAGTC CCCAACCTCC CATCACTCAC CAACCTCCTG	TCCTCCAATT 360
TGTCCTGGTT ATCGCTGGAT GTGTCTGCGG CGTTTTATCA TATTCCTCTT	CATCCTGCTG 420
CTATGCCTCA TCTTCTTGTT GGTTCTTCTG GACTATCAAG GTATGTTGCC	CGTTTGTCCT 480
CTAATTCCAG GTACTTCAAC AACCAGCACG GGACCATGCA GAACCTGCAC	GACTCCTGCT 540
CAAGGAACCT CTATGTATCC CTCCTGTTGC TGTACCAAAC CTTCGGACGG	AAATTGCACC 600

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TGTATTCCCA	TCCCATCATC	TTGGGCTTTC	GGAAAATTCC	TATGGCAGTG	GGCCTCAGCC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
ACTGTTTGGG	TTTCAGCTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAGCATC	780
GTGAGTCCCT	TTATACCGCT	GTTACCAATT	TTCTTTTGTC	TCTGGGTATA	CATTTAAACC	840
CTAACAAAAC	AAAAAGATGG	GGTTATTCCC	TAAACTTCAT	GGGTTACATA	ATTGGAAGTT	900
GGGGAACGTT	GCCACAGGAT	CATATTGTAC	AAAAGATCAA	ACACTGTTTT	AGAAAACTTC	960
CTGTTAACAG	GCCTATTGAT	TGGAAAGTAT	GGCAACGAAT	TGTGGGTCTT	TTGGGTTTTG	1020
CTGCTCCATT	TACACAATGT	GGTTATCCTG	CCTTAATGCC	TTTGTATGCC	TGTATACAAG	1080
CTAAACAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTAAGTAAA	CAGTACATGA	1140
ACCTTTACCC	CGTTGCTCGG	CAACGGCCTG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
CCACTGGCTG	GGGCTTGGCA	TAGGGCCATC	AGCGCATGCG	TGGAACCTTT	GAGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320
ACATTATCGG	GACTGATAAC	TCTGTTGTCC	TATCGCGGAA	ATATACATCG	TTTCCATGGC	1380
TGCTAGGTTG	TACTGCCAAC	TGGATCCTTC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
CGCTGAATCC	CGCGGACGAC	CCCTCTCGGG	GCCGCTTGGG	ACTCTCTCGT	CCCCTTCTCC	1500
GTCTGCCGTT	CCAGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCA	CCGTCTGTGC	1560
CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CATCAAAGTC	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCCCAGC	1680
AATGTCAACG	ACCGACCTTG	AGGCCTACTT	CAAAGACTGT	GTGTTTAAGG	ACTGGGAGGA	1740
GCTGGGGGAG	GAGATTAGGŢ	TAAAGGTCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCC	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCC	1980
GTAAGAGATC	TCCTAGACAC	CGCCTCAGCT	CTGTATCGAG	AAGCCTTAGA	GTCTCCTGAG	2040
CATTGCTCAC	CTCACCATAC	TGCACTCAGG	CAAGCCATTC	TCTGCTGGGG	GGAACTGATG	2100
ACTCTAGCAT	CCTGGGTGGG	TGATAATTTG	GAAGATCCAG	CGTCTAGGGA	CCTAGTAGTC	2160
AGTTATGTTA	ACACTAATAT	GGGCCTAAAG	ATCAGGCAAC	TATTGTGGTT	TCATATATCT	2220
TGCCTTACTT	TTGGAAGAGA	GACTGTACTT	GAATATTTGG	TCTCTTTCGG	AGTGTGGATT	2280
CGCACTCCTC	CAGCCTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGGGA	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460
TTGGACTCAT	AAGGTGGGGA	ACTTTACTGG	GCTTTATTCT	TCTACTGTAC	CTGTCTTTAA	2520
TCCTCATTGG	AAAACACCAT	CTTTTCCTAA	TATACATTTA	CACCAAGACA	TTATCAAAAA	2580
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ATGTGAACAG	TTTGTAGGCC	CACTCACAGT	TAATGAGAAA	AGAAGATTGC	AATTGATTAT	2640
GCCTGCTAGG	TTTTATCCAA	AGGTTACCAA	ATATTTACCA	TTGGATAAGG	GTATTAAACC	2700
TTATTATCCA	GAACATCTAG	TTAATCATTA	CTTCCAAACT	AGACACTATT	TACACACTCT	2760
ATGGAAGGCG	GGTATATTAT	ATAAGAGAGA	AACAACACAT	AGCGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	ATCTACAGCA	TGGGGCAGAA	TCTATCCACC	AGCAATCCTC	2880
TGGGATTCTT	TCCCGACCAC	CAGTTGGATC	CAGCCTTCAG	AGCAAACACC	GCAAATCCAG	2940
ATTGGGACTT	CAATCCCAAC	AAGGACACCT	GGCCAGACGC	CAACAAGGTA	GGAGCTGGAG	3000
CATTCGGGCT	GGGTTTCACC	CCACCGCACG	GAGGCCTTTT	GGGGTGGAGC	CCTCAGGCTC	3060
AGGGCATACT	ACAAACTTTG	CCAGCAAATC	CGCCTCCTGC	CTCCACCAAT	CGCCAGTCAG	3120
GAAGGCAGCC	TACCCCTCTG	TCTCCACCTT	TGAGAAACAC	TCATCCTCAG	GCCATGCAGT	3180
GG		*			,	3182

(2) INFORMATION FOR SEQ ID NO: 306:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3182 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 306:

60	GTATCTCCCT	TGAGAGGCCT	GATCCCAGAG	AACTCTGCAA	CCTTCCACCA	AACTCCACAA
120	TCCCATATCG	CTACTGTCTC	CCTGTTCCGA	AAÇAGTAAAC	CCAGTTCAGG	GCTGGTGGCT
- 180	ATCAGGATTC	AGAACATCAC	CTGAACATGG	GGACCCTGCG	CGAGGATTGG	TCAATCTTCT
240	CCTCACAATA	TGACAAAAAT	TTTTTCTTGT	ACAGGCGGG	TGCTCGTGTT	CTAGGACCCC
300	CACCGTGTGT	TAGGGGGAAC	CTCAATTTTC	GTGGACTTCT	TAGACTCGTG	CCGAAGAGTC
360	TCCTCCAACT	CAACCTCCTG	AATCACTCAC	CCCAACCTCC	ATTCGCAGTC	CTTGGCCAAA
420	CATCCTGCTG	TCTTCCTCTT	CGTTTTATCA	GTGTCTGCGG	ATCGCTGGAT	TGTCCTGGTT
480	CGTTTGTCCT	GTATGTTGCC	GACTATCAAG	GGTTCTTCTG	TCTTCTTGTT	CTATGCCTCA
540	GACTCCTGCT	GAACCTGCAC	GGACCATGCA	CACCAGCACG	GATCTTCAAC	CTGATTCCAG
600	AAATTGCACC	CTTCGGACGG	TGTACCAAAC	CTCCTGTTGC	CTATGTATCC	CAAGGAACCT
660	GGCCTCAGCC	TATGGGAGTG	GGAAAATTCC	CTGGGCTTTC	TCCCATCATC	TGTATTCCCA
720	GCTTTCCCCC	GGTTCGTAGG	TTTGTTCAGT	ACTAGTGCCA	GGCTCAGTTT	CGTTTCTCCT

	ACTGTTTGGC	TTTTAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAAACT	GTTCACCATC	780
	TTGAGTCCCT	ŢŢŢŢĀCCGCŢ	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATCTAAACC	840
	CTAACAAAAC	AAAAAGATGG	GGTTACTCTT	TACATTTTAT	GGGCTATGTC	ATTGGATGTT	900
	ATGGGTCTTT	GCCACAAGAT	CACATCATAC	AGAAAATCAA	AGAATGTTTT	AGAAAACTTC	960
	CTGTTAACAG	GCCTATTGAT	TGGAAAGTCT	GTCAACGTAT	TGTGGGTCTT	TTGGGATTTG	1020
	CTGCTCCTTT	TACACAATGT	GGTTATCCTG	CTTTAATGCC	CTTGTATGCA	TGTATTCAAT	1080
	CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATACCTGA	1140
	ACCTTTACCC	CGTTGCCCGG	CAACGCCCAG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
,	CCACTGGCTG	GGGCTTGGTC	ATGGGCCATC	AGCGCATGCG	TGGAACCTTT	CAGGCTCCTC	1260
-	TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCCGG	TCTGGAGCAA	1320
	ACATTCTCGG	GACGGATAAC	TCTGTTGTTC	TCTCCCGCAA	ATATACGTCG	TTTCCATGGC	1380
	TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
	CGCTGAATCC	CGCGGACGAC	CCTTCTCGGG	GCCGCTTGGG	ACTCTCTCGT	CCCCTTCTCC	1500
	GTCTGCCGTT	TCGACCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTGC	1560
•	CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
	ĆGTGAACGCC	CACCAATTCT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCTGT	1680
	AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTÄAGG	ACTGGGAGGA	1740
	GTCGGGGGAG	GAGATTAGAT	TAATGATCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
	CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCT	1860
	ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTAGG	ACATGGACAT	TGATCCTTAT	1920
	AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCGTTTCTGC	CTTCTGACTT	CTTTCCTTCA	1980
	GTACGAGATC	TTCTAGATAC	CGCCTCAGCT	CTATATCGGG	AAGCCTTAGA	ATCTCCTGAG	2040
	CATTGTTCAC	CTCACCATAC	TGCACTCAGG	CAAGCAATTC	TCTGCTGGGG	GGATCTAÁTA	2100
i i	ACTCTATCCA	CCTGGGTGGG	TGGTAATTTG	GAAGATCCAA	CATCTAGGGA	CCTAGTÄGTC	-2160
	AGTTATGTTA	ACACTAATAT	GGGCCTAAAG	TTCAGGCAAC	TATŢGTGGTT	TCACATTTCT	2220
	TGTCTCÁCTT	TTGGAAGAGA	AACGGTCATA	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280
	CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAGACT	2340
	ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
	AGGTCTCAAT	CGCCACGTCG	CAGAAGAACT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460
	CTGGACTCAT	AAGGTGGGAA	ACTTTACGGG	GCTTTATTCT	TCTACTGTTC	CTGTCTTTAA	2520
	CCCTCATTGG	AAAACACCCT	CTTTTCCTAA	TATACATTTA	CACCAAGACA	TTATCAAAAA	2580
÷	ATGTGAACAA	TTTGTAGGCC	CACTCACAGT	CAATGAGAAA	AGAAGACTGC	AATTGATTAT	2640
•,	GCCTGCTAGG	TTTTATCCAA	AGGTTACCAA	ATATTTGCCA	TTGGATAAGG	GTATTAAACC	2700

TTATTATCCA	GAACATCTAG	TTAATCATTA	CTTCCAAACC	AGACATTATT	TACACACTCT	Ŧ 1, .	2760
ATGGAAGGCG	GGTGTATTAT	ATAAGAGAGA	AACTACACAT	AGCGCCTCAT	TTTGTGGGTC		2820
ACCATATTCC	TGGGAACAAG	AGCTACAGCA	TGGGGCAGAA	TCTTTCCACC	AGCAATCCTC		2880
TGGGATTCTT	TCCCGACCAC	CAGTTGGATC	CAGCCTTCAG	AGCAAACACT	GCAAATCCAG	. '	2940
ATTGGGACTT	CAATCCCAAC	AAGGACTCCT	GGCCAGACGC	CAACAAGGTA	GGAGCTGGAG	;	3000
CATTCGGGCT	GGGATTCACC	CCACCGCACG	GAGGCCTTTT	GGGGTGGAGC	CCTCAGGCTC		3060
AGGGCATACT	ACAAACCTTG	CCAGCAAATC	CGCCTCCTGC	CTCCACCAAT	CGCCAGTCAG	;	3120
GAAGGCAACC	TACCCCTCTG	TCTCCACCTT	TGAGAAACAC	TCATCCTCAG	GCCATGCAGT	:	3180
GG						x :	3182

(2) INFORMATION FOR SEQ ID NO: 307:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3182 base pairs

 - (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 307:

	AACTCCACAA	CCTTCCACCA	AACTCTGCAA	GATCCCAGAG	TGAGAGGCCT	GTATTTCCCT	60
,	GCTGGTGGCT	CCAGTTCAGG	AACAGTAAAC	CCTGTTCCGA	CTACTGTCTC	TCCCATATCG	120
	TCAATCTTCT	CGAGGATTGG	GGACCCTGCG	CTGAACATGG	AGAACATCAC	ATCAGGATTC	180
	CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAGAAT	CCTCACAATA	240
1	CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAAC	TACCGTGTGT	300
1	CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCCTG	TCCTCCAACT	360
,	TGTCCTGGTT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
- (CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
(CTAATTCCAG	GATCTTCAAC	TACCAGCACG	GGACCATGCA	GAACCTGCAC	GACTCCTGCT	540
(CAAGGAACCT	CTATGTATCC	CTCCTGTTGC	TGTACCAAAC	CTTCGGACGG	AAATTGCACC	600
,	TGTATTCCCA	TCCCATCATC	CTGGGCTTTC	GGAAAATTCC	TATGGGAGTG	GGCCTCAGCC	. 660
(CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGTAGG	GCTTTCCCCC	720
1	ACTGTTTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAGCATC	780
,	TTGAGTCCCT	TTTTACCGCT	GTTACCAATT	TTCTTCTGTC	TTTGGGTATA	CATTTAAACC	840
(CTAACAAAAC	AAAAAGATGG	GGTTACTCTT	TACATTTCAT	GGGCTATGTC	ATTGGATGTT	- 900

ATGGGTCATT	GCCACAAGAT	CACATCATAC	AGAAAATCAA	AGAATGCTTT	AGAAAACTTC	960	
CTGTTAACAG	GCCTATTGAT	TGGAAAGTCT	GTCAACGTAT	TGTGGGTCTT	TTGGGTTTTG	1020	•
CTGCCCCTTT	TACACAATGT	GGTTATCCTG	CTTTAATGCC	TTTGTATGCA	TGTATTCAGT	1080	
CGAAGCAGGC	TTTTACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATACCTGA	1140	
ACCTTTACCC	CGTTGCCCGG	CAACGGCCAG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200	
CCACTGGCTG	GGGCTTGGTC	ATGGGCCATC	AGCGCATGCG	TGGAACCTTT	CTGGCTCGTC	1260	
TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320	•
ACATTCTCGG	GACGGATAAC	TCTGTTGTTC	TCTCCCGCAA	ATATACATCG	TATCCATGGC	1380	
TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440	
CGCTGAATCC	CGCGGACGAC	CCTTCTCGGG	GTCGCTTGGG	ACTCTCTCGT	CCCCTTCTCC	1500	
 GTCTGCCGTT	TCGACCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTGC	1560	
CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAĞACCAC	1620	
CGTGAAAGCC	CAACCATTCT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCTGT	1680	
AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTAAAG	ACTGGGAGGA	1740	
GTTGGGGGAG	GAGATTAGAT	TAAAGGTCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800	
CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCT	1860	
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGATCCTTAT	1920	
AAAGAATTTG	GAGCTACTGT	GGAĢTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCA	1980	* *
GTACGAGATC	TTCTAGATAA	CGCCTCAGCT	CTGTATCGGG	AAGCETTAGA	GTCTCCTGAG	2040	
CATTGTTCAC	CTCACCATAC	TGCACTCAGG	CAAGCAATAC	TGTGCTGGGG	GGAACTAATG	. 2100	
ACTCTAGCTA	CCTGGGTGGG	TGGTAATTŢG	GAAGATCCAA	TATCCAGGGA	CCTAGTAGTC	2160	*
AGTTATGTCA	ACACTAATAT	GGGCCTAAAA	TTCAGGCAAC	TATTGTGGTT	TCACATTTCT	2220	
TGTCTCACTT	TTGGAAGAGA	AACÁGTTATA	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280	÷
CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAGACT	2340	*
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400	
 AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	2460	~
TTGGACTCAT	AAGGTGGGAA	ACTTTACGGG	GCTTTATTCT	TCTACTGTAC	CTGTCTTTAA	2520	
 CCCTCATTGG	AAAACACCCT	CTTŢTCCTAA	TATACATTTA	CACCAAGACA	TTATCAAAAA	2580	
ATGTGAACAA	TTTGTAGGCC	CACTCACAGT	CAATGAGAAA	AGAAGACTGC	AATTGATŢAŤ.	2640	•
GCCAGCTAGG	TTTTATCCAA	ATGTTACCAA	ATATTTGCCA	TTGGATAAGG	GTATTAAACC	. 2700	
TTATTATCCA	GAATATTTAG	TTAATCATTA	CTTCCAAACT	AGACATTATT	TACAÇACTCT	2760	* *
ATGGAAGGCG	GGTATATTAT	ACAAGAGAGA	AACTACACAT	AGCGCCTCAT	TTTGTGGGTC	2820	
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGGCAGAA	TCTTTCCACC	AGCAATCCTC	2880	

TGGGATTCTT	TCCCGACCAC	CAGTTGGATC	CAGCCTTCAG	AGCAAACACC	GCAAATCCAG	2940
ATTGGGACTT	CAATCCCAAC	AAGGACACCT	GGCCAGACGC	CAACAAGGTA	GGAGCTGGAG	3000
ÇATTÇGGGÇT	GGGATTCACC	CCACCACACG	GAGGCCTTTT	GGGGTGGAGC	CCTCAGGCTC	3060
AGGGCATACT	AGAAACGTTG	CCAGCAAATC	CGCCTCCTGC	CTCTACCAAT	CGCCAGTCAG	3120
GAAGGCAGCC	TACCCCGCTG	TCTCCACCTT	TĢAGAAACAC	TCATCCTCAG	GCCATGCAGT	3180
GG				:		3182

(2) INFORMATION FOR SEQ ID NO: 308:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3182 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 308:

. 60	GTATTTCCCT	TGAGAGGCCT	GATCCCAGGG	AACTCTGCAA	CTTTCCACCA	AACTCCACAA
120	TCCCATATCG	CTACTGCCTC	CCTGTTCCGA	AACAGTAAAC	CCAGTTCAGG	GCTGGTGGCT
. 180	ATCAGGATTC	AGAACATCAC	CTGAACATGG	GGACCCTGCA	CGAGGATTGG	TCAATCTTCT
240	CCTCACAATA	TGACAAGAAT	TTTTTCTTGT	ACAGGCGGGG	TGCTCGTGTT	CTAGGACCCC
300	CACCGTGTGT	TAGGGGGAAC	CTCAATTTTC	GTGGACTTCT	TAGACTCGTG	CCGCAGAGTC
360	TCCTCCAACT	CAACCTCCTG	AATCACTCAC	CCCAACCTCC	ATTCGCAGTC	CTTGGCCAAA
420	CATCCTGCTT	TCTTCCTCTT	CGTTTTATCA	GTGTCTGCGG	ATCGCTGGAT	TGTCCTGGTT
- 480	CGTGTGTCCT	GTATGTTGCC	GACTATCAAG	GGTTCTACTG	TCTTCTTGTT	CTATGCCTCA
540	GACTACTGCT	GAACCTGCAC	GGACCATGCA	CACCAGCGCG	GATCTTCAAC	CTAATTCCAG
600	AAATTGCACC	CTTCGGACGG	TGTACCAAAC	СТССТСТТСС	CTATGTATCC	CAAGGAACCT
660	GGCCTCAGCC	TATGGGAGTG	GGAAAATTCC	CTGGGCTTTC	TCCCATCATC	TGTATTCCCA
720	GCTTTCCCCC	GGTTCGTAGG	TTTGTTCAGT	ACTAGTGCCA	GGCTCAGTTT	CGTTTCTCCT
780	GTACAGCATC	GGCCAAGTCT	TGGTATTGGG	ATGGATGATG	TTTCAGTTAT	ACTGTTTGGC
840	CATTTAAACC	TTTGGGTATA	TTCTTTTGTC	GTTACCAATT	TTTTACCGCT	TTGAGTCCCT
900	ATTGGAAGTT	GGGCTATGTC	TACATTTCAT	GGTTACTCTT	TAAGAGATGG	СТААСААААС
960	AGAAAACTTC	AGAATGTTTT	AGAAAATCAA	CACATCATAC	GCCACAAGAT	ATGGGTCATT
1020	TTGGGTTTTG	TGTGGGTCTT	GTCAACGTAT	TGGAAAGTCT	GCCTATTGAT	CTATTAACAG

	CTGCCCCTTT	TACACAATGT	GGTTATCCTG	CTTTAATGCC	CTTGTATGCC	TGTATTCAAT	1080	
	CTAAACAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATACCTGA	1140	
	ACCTTTACCC	CGTTGCTAGG	CAACGGCCAG	GTCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200	
	CCACTGGCTG	GGGCTTGGTC	ATGGGCCATC	AGCGCATGCG	TGGAACCTTT	CTGGCTCCTC	1260	
	TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320	
	ACATTCTCGG	GACGGATAAC	TCTGTTGTTC	TCTCCCGCAA	ATATACATCG	TTTCCATGGC	1380	
	TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440	
	CGCTGAATCC	CGCGGACGAC	CCTTCTCGGG	GCCGCTTGGG	GATCTTTCGT	CCCCTTCTCC	1500	
	GTCTGCCGTT	CCGTCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTGC	1560	
	CTTCTCATCT	GCCGGTCCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620	
	CGTGAACGCC	CACCACTTCT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCAGC	1680	
	AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTAAGG	ACTGGGAGGA	1740	
	GTTGGGGGAG	GAGATTAGAT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800	
	CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTÇATGTCCT	1860	•
	ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920	
	AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCATTTTTGC	CTTCTGACTT	TTTTCCTTCG	1980	
	GTACGAGATC	TTCTAGATAC	CGCCTCAGCT	CTGTATCGGG	ATGCCTTAGA	GTCTCCTGAG	2040	
	CATTGTTCAC	CTCACCATAC	TGCACTCAGG	CAAGCAATTC	TTTGCTGGGG	GGAACTAATG	2100	
	ACTCTAGCTA	CCTGGGTGGG	TGTTAATTTG	GAAGATÇCAG	CATCTAGGGA	CCTAGTAGTC	2160	
. Y	AGTTATGTCA	ACACTAATAT	GGGCCTAAAG	TTCAGGCAAC	TATTGTGGTT	TCACATTTCT	2220	
	TGTCTCACTT	TTGGAAGAGA	AACAGTCATA	GAGTATTTGG	TGTCTTTCGG	AGTGTGGATT	2280	
	CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAAACT	2340	• • • • • • • • • • • • • • • • • • •
	ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400	
•	AGATCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCGGG	AATCTCAATG	TTAGTATTCC	-2460	. · ·
	TTGGACTCAT	AAAGTGGGTA	ACTTTACGGG	GCTTTATTCC	TCTACTGTAC	CTGTCTTTAA	2520	
	CCCTCATTGG	AAAACACCCT	CTTTTCCTAA	TATACATCTA	CACCÁÁGACA	TTATCAAAAA	2580	
	ATGTGAACAA	TTTGTAGGCC	CACTCACAGT	AAATGAGAAA	CGAAGACTGC	AATTAATTAT	2640	·
	GCCTGCTAGG	TTTTATCCAA	ATGTTACTAA	ATATTTGCCA	TTAGATAAGG	GTATTAAACC	2700	
	TTATTATCCG	GAACATTTAG	TTAATCATTA	CTTCCAAACC	AGACATTATT	TACACACTCT	2760	
	ATGGAAGGCG	GGTATATTAT	ATAAGAGGGA	AACAACACGT	AGCGCCTCAT	TTTGTGGGTC	2820	•
	ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGGCAGAA	TCTTTCCACC	AGCAATCCTC	2880	
	TGGGATTCTT	TCCCGACCAC	CAGTTGGATC	CAGCCTTCAG	AGCAAACACC	GCAAATCCAG	2940	
	ATTGGGACTT	CAATCCCAAC	AAGGACACCT	GGCCAGACGC	CAACAAGGTA	GGAGCTGGAG	3000	

GG	* " *		•		3182
GAAGGCAGCC TACCO	CCGCTG TCTCCACCTT	TGAGAAACAC	TCATCCTCAG	GCCATGCAGT	3180
AGGGCATAAT ACAA	ACCTTG CCAGCAAATC	CGCCTCCTGC	ATCTACCAAT	CGCCAGTCAG	3120
CATTCGGGCT GGGA	TTCACC CCACCGCACG	GAGGCCTTTT	GGGGTGGAGC	CCTCAGGCTC	3060

(2) INFORMATION FOR SEQ ID NO: 309:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3212 base pairs
 - (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 309:

AACTCCACAA	CATTTCATCA	AGCTCTGCAG	GATCCCAGAG	TAAGAGGCCT	GTATTTTCCT	60
GCTGGTGGCT	CCAGTTCCGG	AACAGTGAAC	CCTGTTCCGA	CTACTGCCTC	ACTCATCTCG	120
TCAATCTTCT	CGAGGATTGG	GGACCCTGCA	CCGAACATGG	AAAGCATCAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAAAAT	CCTCACAATA	240
CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	TCCCGTGTGT	300
CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTCAC	CAACCTCTTG	TCCTCCAATT	360
TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTAATTCCAG	GATCATCAAC	CACCAGCACG	GGACCCTGCC	GAACCTGCAT	GACTCTTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCATGTTGC	TGTTCAAAAC	CTTCGGACGG	AAATTGCACT	600
TGTATTCCCA	TCCCATCATC	ATGGGCTTTC	GGAAAATTCC	TATGGGAGTG	GGCCTCAGCC	660
CGTTTCTCCT	GĢCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGCCGG	GCTTTCCCCC	720
ACTGTCTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACGACATC	780
TTGAGTCCCT	TTATACCTCT	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAATC	840
CCAACAAAAC	AAAAAGATGG	GĢATATTCCC	TAAATTTCAT	GGGTTATGTA	ATTGGAAGTT	900
GGGGTCATT	ACCACAGGAA	CACATCATAC	ААААААТСАА	ACACTGTTTT	GĢAAAACŢCC	960
CTGTŤAACCG	GCCTATTGAT	TGGAAAGTAT	GTCAAGGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCCCCTTT	TACACAATGT	GGGTATCCTG	CTTTAATGCC	TCTGTATACG	TGTATTCAAT	1080
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATACCTGA	1140
ACCTTTACCC	CGTTGCCCGG	CAACGCCAG	GTCTGTGCCA	AGTGTTTGCT	GATGCAACCC	1200

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		(2)						
		*						
		*				• •		
	CCACTGGCTG	GGGCTTGGCC	ATAGGCATTC	AGCGCATGCG	CGGAACCTTT	GTGGCTCCTC	1260	
	TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320	•
	AACTTATCGG	GACCGATAAT	TCTGTCGTTC	TCTCCCGGAA	ATATACATCÇ	TTTCCATGGC	1380	
	TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GAGGGACGTC	CTTTGTCTAC	GTCCCGTCAG	1440	
	CGCTGAATCC	TGCGGACGAC	CCGTCTCGGG	GTCGCTTGGG	GATCTTTCGT	CCCCTTCTCC	1500	
	GTCTGCGGTT	CCGGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CGCGGTCTCC	CCGTCTGTGC	1560	
	CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620	
	CGTGAACGCC	CACCAAATCT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCTGC	1680	
	AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTAAAG	·ACTGGGAGGA	1740	
	GTTGGGGGAG	GAGATTAGAT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800	
	CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCT	1860	
	ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTŢTGGG	GCATGGACAT	TGACCCTTAT	1920	. *
· ·	AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCA	1980	
	GTAAGAGATC	TTCTAGATAC	CGCCTCAGCT	CTGTATCGGG	ATGCCTTAGA	ATCTCCTGAA	2040	
	CATTGTTCAC	CGCACCACAC	TGCACTCAGG	CAAGCCATTC	TTTGCTGGGG	GGAACTAATG	2100	**************************************
	ACTCTAGCTA	CCTGGGTGGG	TGTAAATTTG	GAAGATCCAG	CATCCAGGGA	CCTAGTAGTC	2160	* 00
	AGTTATGTCA	ATACTAATAT	GGGCCTAAAG	TTCAGGCAAT	TATTGTGGTT	TCACATTTCT	2220	<i>y</i>
	TGTCTCACTT	TTGGAAGAGA	AACCGTCATA	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280	
	CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAGAAT	2340	* - :
	ACTGTTGTTA	GACGAAGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400	*
	AGATCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCCAG	CTTCCCAATG	TTAGTATTCC	2460	·(c
	TTGGACTCAT	AAGGTGGGAA	ATTTTACGGG	GCTCTACTCT	TCTACTATTC	CTGTCTTTAA	2520	
	TCCTAACTGG	AAAACTCCAT	CTTTTCCTGA	TATTCATTTG	CACCAGGACA	TTATTAACAA	2580	
	ATGTGAACAA	TTTGTAGGTC	CTCTAACAGT	AAATGAAAAA	CGAAGATTAA	ACTTAGTCAT	2640	. 10
	GCCTGCTAGA	TTTTTTCCCA	TCTCTACAAA	ATATTTGCCC	CTAGAGAAAG	GTATAAAACC	2700	
*	TTATTATCCA	GATAATGTAG	TTAATCATTA	CTTCCAAACC	AGACACTATT	TACATACCCT	2760	
. *	ATGGAAGGCT	GGGCATCTAT	ATAAAAGAGA	AACTACAÇGT	AGCGCCTCAT	TTTGTGGGTC	2820	
	ACCATATTCT	TGGGAACAAG	AGCTACATCA	TGGGGCTTTC	TTGGACGGTC	CCTCTCGAAT	2880	
	GGGGGAAGAA	TATTTCCACC	ACCAATCCTC	TGGGATTTTT	TCCCGACCAC	CAGTTGGATC	2940	*
	CAGCATTCAG	AGCAAACACC	AGAAATCCAG	ATTGGGACCA	CAATCCCAAC	AAAGACCACT	3000	
; ; ;	GGACGGAAGC	CAACAAGGTA	GGAGTGGGAG	CCTTCGGGCC	GGGGTTCACT	CCCCACACG	3060	*
0	GAGGCCTTTT	GGGGTGGAGC	CCTCAGGCTC	AAGGCATGCT	AAAAACATTG	CCAGCAGACC	3120	. 4
i	CGCCTCCTGC	CTCCACCAAT	CGGCAGTCAG	GAAGGCAGCC	TACCCCAATC	ACTCCACCTT	3180	:
							F - *	

(2) INFORMATION FOR SEQ ID NO: 310:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 3212 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 310:

AATTCCACAA	CATTCCACCA	AGCTCTGCAG	GATCCCAGAG	TAAGAGGCCT	GTATTTTCCT	60
GCTGGTGGCT	CCAGTTCCGG	AACAGTGAAC	CCTGTTCCGA	CTACTGCCTC	ACTCATCTCG	120
TCAATCTTCT	CGAGGATTGG	GGACCCTGCA	CCGAACATGG	AAAGCATCAC	ATCAGGATTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGGG	TTTTTCTTGT	TGACAAAAAT	CCTCACAATA	240
CCGCAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGAGC	TCCCGTGTGT	300
CTTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AGTCACTCAC	CAACÇTCTTG	TCCTCCAATT	360
TGTCCTGGCT	ATCGCTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTAATTCCAG	GATCATCAAC	CACCAGTACG	GGACCCTGCC.	GAACCTGCAC	GACTCTTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCATGTTGC	TGTTCAAAAC	CTTCGGACGG	AAATTGCACT	600
TGTATTCCCA	TCCCATCATC	ATGGGCTTTC	GGAAAATTCC	TATGGGAGTG	GGCCTCAGCC	. 660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCCA	TTTGTTCAGT	GGTTCGCCGG	GCTTTCCCCC	720
ACTGTCTGGC	TTTCAGTTAT	ATGGATGATG	TGGTATTGGG	GGCCAAGTCT	GTACAACATC	- 780
TTGAGTCCCT	TTATACCGCT	GTTACCAATT	TTCTTTTGTC	TTTGGGTATA	CATTTAAATC	840
CCAACAAAAC	AAAAAGATGG	GGCTATTCCC	TTAATTTCAT	GGGTTATGTA	ATTGGAAGTT	900
GGGGCTCATT	ACCACAGGAA	CACATCATAC	AAAAAATCAA	AGACTGTTTT	AGAAAACTCC	960
CTGTTAACCG	GCCTATTGAT	TGGAAAGTAT	GTCAAAGAAT	TGTGGGTCTT	TTGGGCTTTG	1020
CTGCCCCCTT	TACACAATGT	GGATATCCTG	CTTTAATGCC	TCTGTATGCA	TGTACTCAAT	1080
CTAAGCAGGC	TTTCACTTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATACCTGA	1140
ACCTTTACCC	CGTTGCCCGG	CAACGGCCAG	GTCTGTGCCA	AGTGTTTGCT	GATGCAACCC	1200
CCACTGGCTG	GGGCTTGGCC	ATAGGCATTC	AGCGCATGCG	CGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCCG	CTTGTTTTGC	TCGCAGCAGG	TCTGGAGCAA	1320

AACTTATCGG	GACCGATAAT	TCTGTCGTTC	TCTCCCGGAA	GTATACATCC	TTTCCATGGC	1380
TGCTAGGCTG	TGCTGCCAAC	TGGATCCTGC	GAGGGACGTC	CTTTGTCTAC	GTCCCGTCAG	1440
CGCTGAATCC	TGCGGACGAC	CCGTCTCGGG	GTCGCTTGGG	GATCTATCGT	CCCCTTCTCC	1500
GTCTGCCGTT	CCAGCCGACC	ACGGGGCGCA	CCTCTCTTTA	CCCCCTCC	CCGTCTGTTC	1560
CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CACCAAATAT	TGCCCAAGGT	CTTACATAAG	AGGACTCTTG	GACTCTCTGC	1680
AATGTCAACG	ACCGACCTTG	AGGCATACTT	CAAAGACTGT	TTGTTTAAAG	ACTGGGAGGA	1740
GTCGGGGGAG	GAGATTAGAT	TAAAGGTCTT	TGTACTAGGA	GĢCTGTAGGC	ATAAATTGGT	1800
CTGCGCACCA	GCACCATGCA	AÇTTTTTCAÇ	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCT	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
AAAGAATTTG	GAGCTACTGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGACTT	CTTTCCTTCA	1980
GTAAGAGATC	TTCTAGATAC	CGCCTCAGCT	CTGTATCGGG	ATGCCTTAGA	GTCTCCTGAG	2040
CATTGTTCAC	CTCACCACAC	TGCACTCAGG	CAAGCCATTC	TTTGCTGGGG	AGAACTAATG	2100
ACTCTAGCTA	CCTGGGTGGG	TGTAAATTTG	GAAGATCCAG	CATCCAGGGA	CCTAGTAGTC	2160
AGTTATGTCA	ATACTAATAT	GGGCCTAAAG	TTCAGGCAAT	TATTGTGGTT	TCACATTTCT	2220
TGTCTCACTT	TTGGAAGAGA	AACCGTCATA	GAGTATTTGG	TGTCTTTTGG	AGTGTGGATT	2280
CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCT	TATCAACACT	TCCGGAGAAT	2340
ACTGTTGTTA	GACGAAGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGATCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCCAG	CTTCCCAATG	TŢAGTĄŢTCC	2460
TTGGACTCAT	AAGGTGGGAA	ATTTTACGGG	GCTTTACTCT	TCTACTATAC	CTGTCTTTAA	2520
TCCTAACTGG	AAAACTCCAT	CTTTTCCTGA	TATTCATTTG	CACCAGGACA	TTATTAAÇAA	2580
ATGTGAACAA	TTTGTAGGTC	CTCTAACTGT	AAATGAAAAA	CGAAGATTAA	ACTTAGTCAT	2640
GCCTGCTAGA	TTTTTTCCCA	TCTCTACGAA	ATATTTGCCC	CTAGAGAAAG	GTATAAAACC	2700
TTATTATCCA	GATAATGTAG	TTAATCATTA	CTTCCAAACC	AGAÇACTATT	TACATACCCT	2760
ATGGAAGGCG	GGCATCTTAT	ATAAAAGAGA	AACTACACGT	AGCGCCTCAT	TTTGTGGGTC	2820
ACCTTATTCT	TGGGAACAAG	AGCTACATCA	TGGGGCTTTC	TŢGGACGGTC	CCTCTCGAAT	2880
GGGGGAAGAA	TATTTCCACC	ACCAATCCTC	TGGGATTTTT	TCCCGACCAC	CAGTTGGATC	2940
CAGCATTCAG	AGCAAACACC	AGAAATCCAG	ATTGGGACCA	CAATCCCAAC	AAAGACCACT	3000
GGACAGAAGC	CAACAAGGTA	GGAGTGGGAG	CATTCGGGCC	TGGGTTCÄÇT	CCCCCACACG	3060
GAGGCCTTTT	GGGTGGAGC	CCTCAGGCTC	AAGGCATGCT	AAAAACATTG	CCAGCAGATC	3120
CGCCŢCÇTGC	CTCCACCAAT	CGGCAGTCAG	GAAGGCAGCC	TACCCCAATC	ACTCCACCTT	3180
TGAGAGACAC	TCATCCTCAG	GCCATGCAGT	GG			3212
*	* .	3=			4"	

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3215 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 311:

		·				
AACTCAACTC	ACTTCCACCA	AGCTCTGTTG	GATCCCAGGG	TAAGGGCACT	GTATTTTCCT	60
GCTGGTGGCT	CCAGTTCAGG	AACACAGAAC	CCTGCTCCGA	CTATTGCCTC	TCTCACATCA	120
TCAATCTCCT	CGAAGACTGG	GGGCCCTGCT	ATGAACATGG	AGAACATCAC	ATCAGGACTC	180
CTAGGACCCC	TGCGCGTGTT	ACAGGCGGTG	TGTTŢCTTĢT	TGACAAAAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGACT	ACCCAGGTGT.	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTTAC	CAACCTCCTG	TCCTCCAACT	360
TGTCCTGGCT	ATCGTTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTACCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GATCCACGAC	CACCAGCACG	GGACCATGCA	AAACCTGCAC	AGCTCTTGCT	540
CAAGGAACCT	CTATGTTTCC	CTCCTGTTGC	TGTTCCAAAC	CCTCGGACGG	AAACTGCACC	600
TGTATTCCCA	TCCCATCATC	TTGGGCTTTA	GGAAAATACC	TATGGGAGTG	GGCCTCAGCC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCAA	TTTGTTCAGT	GGTGCGTAGG	GCTTTCCCCC	720
ACTGTCTGGC	TTTTAGTTAT	ATGGATGATC	TGGTATTGGG	GGCCAAATCT	GTGCAGCATC	780
TTGAGTCCCT	TTATACCGCT	GTTACCAATT	TTCTGTTATC	TGTGGGTATC	CATTTAAATA	840
CTGCTAAAAC	AAAAAGATGG	GGTTACAACC	TACATTTCAT	GGGTTATGTT	ATTGGTAGTT	900
GGGGAACGTT	ACCCCAAGAT	CATATTGTAC	ACAAAATCAA	AGATTGTTTT	CGAAAAGTTC	960
CTGTAAATCG	CCCAATTGAT	TGGAAAGTTT	GTCAAAGTAT	TGTGGGTCTT	TTGGGCTTTG	1020
CGGCCCCTTT	TACCCAATGT	GGTTATCCTG	CTCTCATGCC	TTTGTATGCC	TGTATTACTG	1080
CTAAACAGGC	TTTTGTCTTC	TCGCCAACTT	ACAAGGCCTT	TCTGTGTAAA	CAATACATGA	1140
ACCTTTACCC	CGTTGCTCGG	CAACGGCCAG	GCCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
CCACTGGCTG	GGGCTTGGCC	ATAGGCCATC	AGCGCATGCG	TGGAACCTTT	GTGGCTCCTC	1260
TGCCGATCCA	TACTGCGGAA	CTCCTTGCAG	CTTGCTTCGC	TCGCAGCCGG	TCTGGAGCAA	1320
TÇCTCATCGG	CACAGACAAT	TCTGTCGTCC	TCTCTCGGAA	GTATACATCC	TTTCCATGGC	1380
TGCTCGGTTG	TGCTGCCAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCGTCGG	1440
CGCTGAATCC	AGCGGACGAA	CCCTCCCGGG	GTCGCTTGGG	GCTGTACCGC	CCCCTTCTTC	1500

GTCTGCCGTT	CCAGCCGACA	ACGGGTCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTTC	1560
CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CCCTGGAGTT	TGCCAACAGT	CTTACATAÄG	AGGACTCTTG	ĢACTTTCAGG	1680
ACGGTCAATG	ACCTGGATCG	AAGACTACAT	CAAAGACTGT	GTATTTAAGG	ACTGGGAGGA	1740
GCTGGGGGAG	GAGATCAGGT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTCATGTCCC	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAATTGTTC	TCTTTTTTGG	CTTCTGACTT	CTTTCCGTCT	1980
GTTCGGGACC	TCCTCGACAC	CGCCTCAGCC	CTGTACCGGG	ATGCCTTAGA	GTCACCGGAA	2040
CATTGCACCC	CCAATCATAC	CGCTCTCAGG	CAAGCTATTT	TGTGCTGGGG	TGAGTTAATG	2100
ACTTTGGCTT	CCTGGGTGGG	TAATAATTTG	GAAGACCCTG	CAGCTAGGGA	TTTAGTAGTT	2160
AATTATGTCA	ACACTAATAT	GGGCTTAAAG	ATTAGACAAC	TATTGTGGTT	TCACATCTCC	2220
TGTCTTACTT	TTGGAAGAGA	AACAGTTCTT	GAGTATTTGG	TGTCCTTTGG	AGTGTGGATT	2280
CGCACTCCAC	CTGCTTATAG	ACCACCAAAT	GCCCCTATCC	TATCCACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCCGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCCAG	CTTCCCAATG	TTAGTATTCC	2460
TTGGACTCAT	AAGGTGGGAA	ATTTTACGGG	GCTCTACTCT	TCTACTGTAC	CTGCTTTCAA	2520
TCCTAACTGG	TTAACTCCTT	CTTTTCCTGA	TATTCATTTA	CATCAGGATA	TGATATCTAA	2580
ATGTGAACAA	TTTGTAGGCC	CGCTCACTAA	AAATGAATTG	AGAAGATTAA	AATTGGTCAT	2640
GCCAGCTAGA	TTTTATCCTA	AGCATACCAA	ATATTTCCTA	TTGGAGAAAG	GGATTAAACC	2700
CTATTATCCA	GATCAGGCAG	TTAATCATTA	TTTTCAAACC	AGACATTATT	TGCATACTTT	2760
ATGGAAGGCG	GGAATTCTAT	ATAAGAGAGA	AACCACACGT	AGCGCCTCAT	TTTGTGGGTC	2820
ACAATATTCC	TGGGAACAAG	AGCTACAGCA	TGGGAGCACC	TCTCTCAACG	ACAAGAAGGG	2880
GCATGGGACA	GAATCTTTCT	GTGCCCAATC	CACTGGGCTT	CTTGCCAGAC	CATCAGCTGG	2940
ATCCGCTATT	CAGAGCAAAT	TCCAGCAGTC	CCGACTGGGA	CTTCAACACA	AACAAGGACA	3000
GTTGGCÇAAŢ	GGCAAACAAG	GTAGGAGTGG	GAGGCTACGG	TCCAGGGTTC	ACACCCCCAC	3060
ACGGTGGCCT	GCTGGGGTGG	AGCCCTCAGG	CACAGGGTGT	TTTAACAACC	TTGCCAGCAG	3120
ATCCGCCTCC	TGCTTCCACC	AATCGGCTGT	CCGGGAGGAA	GCCAACCCAA	GTCTCTCCAC	3180
CTCŤAAGAGA	CACACATCCT	CAGGCCATGC	AGTGG			3215

(2) INFORMATION FOR SEQ ID NO: 312:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 3215 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 312:

60	GTATTTTCCT	TAAGGGCACT	GATCCGAGGG	GGCTCTGTTG	ACTTCCÀCCA	AACTCAACTC
120	TCTCACATCA	CTATTGCCTC	CCTGCTCCGA	CACGCAGAAC	CCAGTTCAGG	GCTGGTGGCT
180	ATCAGGACTC	ACAACATCAC	ATGAACATGG	GGGCCCTGCT	CGAAGACTGG	TCAATCTCCT
240	CCTCACAATA	TGACAAAAAT	TGTTTCTTGT	ACAGGCGGTG	TGCTCGTGTT	CTAGGACCCC
300	ACCCGGGTGT	TAGGGGGACT	CTCAATTTTC	GTGGACTTCT	TAGACTCGTG	CCACAGAGTC
360	TCCTCCAACT	CAACCTCCTG	AATCACTTAC	CCCAACCTCC	ATTCGCAGTC	CCTGGCCAAA
420	CATCCTGCTG	TCTTCCTCTT	CGTTTTATCA	GTGTCTGCGG	ATCGTTGGAT	TGTCCTGGCT
480	CGTTTGTCCT	GTATGTTGCC	GACTATCAAG	GGTTCTTCTG	TCTTCTTGTT	CTATGCCTCA
540	AACTCTTGCT	AAACCTGCAC	GGACCATGCA	CACCAGCACG	GATCTACGAC	CTAATTCCAG
600	AAACTGCACC	CCTCGGACGG	TGTTCCAAAC	CTCCTGTTGC	CTATGTTTCC	CAAGGAACCT
. 660	GGCCTCAGCC	TATGGGAGTG	GGAAAATACC	TTGGGCTTTA	TCCCATCATC	TGTATTCCCA
720	GCTTTCCCCC	GGTGCGTAGG	TTTGTTCAGT	ACTAGTGCAA	GGCTCAGTTT	CGTTTCTCCT
78.0	GTGCAGCATC	AGCCAAATCT	TGGTATTGGG	ATGGATGATC	TTTTAGTTAT	ACTGTCTGGC
840	CATTTGAATA	TGTGGGTATC	TTCTGTTATC	GTTACCAATT	TTATACCGCT	TTGAGTCCCT
900	ATTGGCAGTT	GGGTTATGTC	TACATTTCAT	GGTTACAATT	AAAAAGATGG	CCTCTAAAAC
960	CGAAAAGTTC	AGAATGTTTT	ACAAAATCAA	CATATTGTAC	ACCCCAAGAT	GGGGAGCATT
1020	TTGGGCTTTG	TGTGGGACTT	GTCAACGTAT	TGGAAAGTTT	TCCAATTGAC	CTGTAAATCG
-1080	TGTATCACTG	TCTGTATAAC	CTCTCATGCC	GGTTATCCTG	TACCCAATGT	CTGCTCCTTT
1140	CAGTACATGA	TCTCTGTAAA	ACAAGGCCTT	TCGCCAACTT	TTTTGTCTTT	CGAAACAGGC
1200	GACGCAACCC	AGTGTTTGCT	GCCTGTGCCA	CAACGGCCAG	CGTTGCTCGG	ACCTTTACCC
1260.	GTGGCTCCTC	TGGAACCTTT	AGCGCATGCG	ATTGGCCATC	GGGCTTGGCC	CCACTGGTTG
1320	TCTGGAGCAA	TCGCAGCCGG	CTTGCTTCGC	CTCCTTGCAG	TACTGCGGAA	TGCCGATCCA
1380	TTTCCATGGC	GTATACATCC	TCTCCCGGAA	TCTGTCGTCC	CACAGACAAT	TCCTCATCGG
1440	GTCCCGTCGG	CTTTGTTTAC	GCGGGACGTC	TGGATCCTGC	TGCTGCCAAC	TGCTCGGATG
1500	CCTCTTCTGC	GCTCTACCGC	GCCGCTTGGG	CCCTCCCGGG	AGCGGACGAA	CGCTGAATCC
1560	CCGTCTGTTC	CGCGGACTCC	CCTCTCTTTA	ACGGGTCGCA	CCAGCCGACC	GTCTGCCGTT
1620	TGGAGACCAC	GCACGTCGCA	CTTCACCTCT	GTGCACTTCG	GCCGGTCCGT	CTTCTCATCT

CGTGAACGCC	CCCTGGAGTT	TGCCAACAGT	CTTACATAAG	AGGACTATTG	GACTTTCAGG	1680
ACGGTCAATG	ACCTGGATCG	AAGAATACAT	CAAAGACTGT	GTATTTAAAG	ACTGGGAGGA	1740
GCTGGGGGAG	GAGATCAGGT	TAAAGGTCTT	TGTACTAGGA	GGCTGTAGGC	ATAAATTGGT	1800
CTGCGCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTCTTG	TTTATGTCCC	1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT	1920
AAAGAATTTG	GAGCTTCTGT	GGAATTGTTC	TCTTTTTTGC	CTTCTGACTT	CTTTCCGTCA	1980
ATCCGAGACC	TTCTCGACAC	CGCCTCAGCT	CTGTATCGGG	ATGCGTTAGA	GTCACCGGAA	2040
CATTGCACCC	CCAATCATAC	CGCTCTCAGG	CAAGCTATTT	TGTGTTGGGG	TGAATTAATG	2100
ACTTTGGCTT	CCTGGGTGGG	CAATAATTTG	GAGGACCCTG	CAGCCAGGGA	TTTAGTAGTT	2160
AACTATGTTA	ACACTAATAT	GGGCTTAAAG	ATTAGACAAC	TATTGTGGTT	TCACATTTCC	2220
TGCCTTACTT	TTGGAAGAGA	AACAGTTCTT	GAGTATTTGG	TGTCCTTTGG	AGTGTGGATT	2280
CGCACTCCTC	CAGCTTATAG	ACCACCAAAT	GCCCCTATCC	TATCCACACT	TCCGGAAACT	2340
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA	2400
AGGTCTCAAT	CGCCGCGTCG	CAGAAGATCT	CAATCTCCAG	CTTCCCAATG	TTAGTATTCC	2460
TTGGACTCAT	AAGGTGGGAA.	ATTTTACGGG	GCTCTACTCT	TCTACTGTAC	CTGCTTTCAA	2520
TCCTCACTGG	TTAACTCCTT	CTTTTCCTGA	TATTCATTTG	CATCAAGACC	TGATATCTAA	2580
ATGTGAACAA	TTTGTAGGCC	CACTTACCAA	AAATGAATTG	AGAAGGTTGA	AATTGATTAT	2640
GCCAGCCAGA	TTCTTTCCTA	AACTTACTAA	ATATTTCCCT	CTGGAGAAAG	ACATTAAACC	2700
TTATTATÇCA	GAGCATGCAG	TTAATCATTA	TTTTCAAACC	AGACATTATT	TGCATACTTT	2760
ATGGAAGGCG	GGAATTTTAT	ATAAGAGAGA	ATCCACACGT	AGCGCCTCAT	TTTGTGGGTC	2820
ACCATATTCT	TGGGAACAAG	AGCTACAGCA	TGGGAGCACC	TCTCTCAACG	ACAAGAAGGG	2880
GCATGGGACA	GAATCTCTCT	GTGCCCAATC	CACTGGGATT	CTTTCCAGAC	CATCAACTGG	2940
ATCCTCTTTT	CAGAGCAAAT	TCCAGCAGTC	CCGATTGGGA	CTTCAACAAA	AACAAGGACA	3000
CTTGGCCAAT	GGCAAACAAG	GTAGGAGTGG.	GAGGTTACGG	TCCAGGGTTC	ACACCCCCAC	-3060
ACGGTGGCCT	GTTGGGGTGG	AGCCCTCAGG	CACAAGGTGT	TCTAACAACC	TTGCCAGCAG	3120
ATCCGCCTCC	TGCCTCCACC	AATCGGCTGT	CCGGGAGGAA	GCCAACCCCA	GTCTCTCCAC	3180
CTCTAAGAGA	CACACATCCA	CAGGCAATGC	AGTGG	*		3215

(2) INFORMATION FOR SEQ ID NO: 313:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3215 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 313:

AACTCAACCC	AGTTCCACCA	AGCTCTGTTG	GATCCCAGGG	TAAGGGCTCT	GTACTTCCCT	60
GCTGGTGGCT	CCAGTTCAGG	GACACAGAAC	CCTGCTCCGA	CTATTGCCTC	TCTCACATCA	120
TCAATCTTCT	CGAAGÁCTGG	GGGCCCTGCT	ATGAACATGG	ACAACATTAC	ATCAGGACTC	180
CTAGGACCCC	TGCTCGTGTT	ACAGGCGGTG	TGTTTCTTGT	TGACAAAAAT	CCTCACAATA	240
CCACAGAGTC	TAGACTCGTG	GTGGACTTCT	CTCAATTTTC	TAGGGGGACT	ACCCGGGTGT	300
CCTGGCCAAA	ATTCGCAGTC	CCCAACCTCC	AATCACTTAC	CAACCTCCTG	TCCTCCAACT	360
TGTCCTGGCT	ATCGTTGGAT	GTGTCTGCGG	CGTTTTATCA	TCTTCCTCTT	CATCCTGCTG	420
CTATGCCTCA	TCTTCTTGTT	GGTTCTTCTG	GACTATCAAG	GTATGTTGCC	CGTTTGTCCT	480
CTACTTCCAG	GATCCACGAC	CACCAGCACG	GGACCCTGCA	AAACCTGCAC	AACTCTTGCA	540
CAAGGAACCT	CTATGTTTCC	CTCCTGTTGC	TGTTCCAAAC	CCTCGGACGG	AAACTGCACT	600
TGTATTCCCA	TCCCATCATC	CTGGGCTTTA	GGAAAATACC	TATGGGAGTG	GGCCTCAGCC	660
CGTTTCTCCT	GGCTCAGTTT	ACTAGTGCAA	TTTGTTCAGT	GGTGCGTCGG	GCTTTCCCCC	720
ACTGTTTGGC	TTTTAGTTAT	ATGGATGATC	TGGTATTGGG	GGCCAAATCT	GTGCAGCATC	780
TTGAGTCCCT	TTATACCGCT	GTTACCAATT	TTCTGTTATC	TGTGGGTATC	CATTTAAATA	840
CCTCTAAAAC	AAAAAGATGG	GGTTACTCCC	TACATTTTAT	GGGTTATGTC	ATTGGTAGTT	900
GGGGATCATT	ACCCCAAGAT.	CACATTGTAC	ACAAAATCAA	GGAATGCTTT	CGAAAACTGC	960
CTGTAAATCG	TCCAATTGAT	TGGAAAGTTT	GTCAACGCAT	AGTGGGTCTT	TTGGGCTTTG	1020
CTGCCCCTTT	CACCCAATGC	GGTTATCCTG	CTCTCATGCC	TCTGTATGCC	TGTATTACTG	1080
CTAAACAGGC	TTTTGTCTTC	TCGCCAACCT	ACAAGGCCTT	TCTGTGTAAA	CAATACATGA	1140
ACCTTTACCC	GGTTGCTCGG	CAACGGCCAG	GCCTGTGCCA	AGTGTTTGCT	GACGCAACCC	1200
CCACTGGTTG	GGGCTTGGCC	ATTGGCCATC	AGCGCATGCG	TGGAACCTTT	GTGGCTCCTC .	1260
TGCCGATCCA	TACTGCGGAA	CTCCTAGCAG	CTTGTTTCGC	TCGCAGCAGG	TCTGGAGCGA	1320
CTCTCATCGG	CACGGACAAT	TCTGTTGTCC	TCTCTAGGAA	GTACACCTCC	TTTCCATGGC	1380
TGCTCGGATG	TGCTGCAAAC	TGGATCCTGC	GCGGGACGTC	CTTTGTTTAC	GTCCCATCGG	1440
CGCTGAATCC	CGCGGACGAC	CCCTCCCGGG	GCCGCTTGGG	GCTGTACCGC	CCTCTTCTCC	1500
GTCTGCCGTT	CCAGCCGACG	ACGGGTCGCA	CCTCTCTTTA	CGCGGACTCC	CCGTCTGTTC	1560
CTTCTCATCT	GCCGGACCGT	GTGCACTTCG	CTTCACCTCT	GCACGTCGCA	TGGAGACCAC	1620
CGTGAACGCC	CCCTGGAGTT	TGCCAACAGT	CTTACATAAG	CGGACTCTTG	GACTTTCAGG	1680
ATGGTCAATG	ACCTGGATCG	AAGAATACAT	CAAAGACTGT	GTATTTAAGG	ACTGGGAGGA	1740
GTTGGGGGAG	GAGATTAGGT	TAAAGGTCTT	TGTATTAGGA	GGCTGTAGGC	ATAAATTGGT	1800

CTGTTCACCA	GCACCATGCA	ACTTTTTCAC	CTCTGCCTAA	TCATCTTTTG	TTCATGTCCC		1860
ACTGTTCAAG	CCTCCAAGCT	GTGCCTTGGG	TGGCTTTGGG	GCATGGACAT	TGACCCTTAT		1920
AAAGAATTTG	GAGCTTCTGT	GGAGTTACTC	TCGTTTTTGC	CTTCTGATTT	CTTCCCATCG		1980
GTTCGGGACC	TACTCGACAC	CGCTTCAGCT	CTTTACCGGG	ATGCTTTAGA	GTCACCTGAA		2040
CATTGCACTC	CCAACCATAC	TGCTCTCAGG	CAAGCTATTT	TGTGTTGGGG	TGAGTTAATG		2100
ACTTTGGCTT	CCTGGGTGGG	CAATAATTTG	GAGGACCCTG	CAGCTAGGGA	TTTAGTAGTT		2160
AACTATGTTA	ACACTAACAT	GGGCCTAAAA	ATTAGACAAC	TGTTGTGGTT	TCACATTTCC		2220
TGCCTTACTT	TTGGAAGAGA	AACAGTTCTA	GAGTATTTGG	TGTCCTTTGG	AGTGTGGATT		2280
CGCACTCCTC	CTGCTTACAG	ACCACCAAAT	GCCCCTATCC	TATCCACACT	TCCGGAAACT		2340
ACTGTTGTTA	GACGACGAGG	CAGGTCCCCT	AGAAGAAGAA	CTCCCTCGCC	TCGCAGACGA		2400
AGATCTCAAT	CGCCGCGTCG	CCGCAGATCT	CAATCTCCAG	CTTCCCAATG	TTAGTATTCC		2460
TTGGACTCAT	AAGGTGGGAA	ACTTTACGGG	GCTTTACTCT	TCTACTGTGC	CTGCTTTTAA		2520
TCCTAACTGG	TCCACTCCTT	CTTTTCCTGA	TATTCATTTG	CATCAAGACC	TGATTTCTAA		2580
ATGTGAACAA	TTTGTAGGCC	CACTTACTAA	AAATGAATTA	CGAAGATTAA	AATTGGTTAT		2640
GCCAGCTAGA	TTTTATCCTA	AGGTTACCAA	ATATTTTCCC	ATGGATAAAG	GCATCAAACC		27.00
CTATTATCCT	GAGCATGCAG	TTAATCATTA	CTTTAAAACC	AGACATTATT	TGCATACTTŢ		2760
ATGGAAGGCG	GGAATTTTAT	ATAAGAGAGA	ATCCACACGT	AGCGCCTCAT	TTTGTGGGTC		2820
ACCATATTCC	TGGGAACAAG	AGCTACAGCA	TGGGAGCACC	TCTCTCAACG	ACACGAAGAG		2880
GCATGGGACA	GÄATCTCTCT	GTGCCCAATC	CTCTGGGATT	CTTTCCAGAC	CATCAGCTGG	1	2940
ATCCGCTATT	CAGAGCAAAT	TCCAGCAGTC	CCGACTGGGA	CTTCAACACA	AACAAGGACA		3000
GTTGGCCAAT	GGCAAACAAG	GTAGGAGTGG	GAGGCTACGG	TCCAGGGTTC	ACACCCCCAC		3060
ACGGTGGCCT	GCTGGGGTGG	AGCCCTCAAG	CACAAGGTGT	GTTAACAACC	TTGCCAGCAG		3120
ATCCGCCTCC	TGCTTCCACC	AATCGGCGGT	CCGGGAGAAA	GCCAACCCCA	GTCTCTCCAC		3180
CTCTAAGAGA	CACACATCCA	CAGGCAATGC	AGTGG	**			3215